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ABSTRACT

Drawing inferences requires that an individual derive a conclusion not explicitly stated in the passage but which logically might be expected on the basis of the organization of the passage and the information it contains. In the summary of the data from Theme 7, the overall performance of the various groups is compared to the national level on the set of exercises representing Theme 7. Results are given for ages 9, 13, 17, and young adults. Within each age level across the nation as a whole and regionally, results are given for sex, color, level of parental education, and size and type of community. In summarizing the data for a group, the group's overall behavior and certain specific behaviors are discussed. (WR)

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READING

REPORT 02-R-07
DRAWING INFERENCES
1970-71 Assessment

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NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS
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#02-R-07	Reading: Drawing Inferences (Theme 7)	August, 1973

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DRAWING INFERENCES

Theme 7, Reading

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TABLE OF CONTENTS

Introduction to the Themes.	v
Methods of Describing the Data.	ix
Chapter 1: Theme 7: Drawing Inferences.	1
Chapter 2: Summary of Results.	3
Chapter 3: Results for Age 9	7
Chapter 4: Results for Age 13.	49
Chapter 5: Results for Age 17.	107
Chapter 6: Results for Young Adults.	163
Chapter 7: Age Comparisons	185

INTRODUCTION TO THE THEMES

The results for the Year 02 assessment (Reading and Literature) are the first to be reported by theme. Conceptually, a theme defines a set of existing and potential exercises that relate to each other in content or some central idea that is meaningful to the subject area of concern. This format allows presenting all relevant results for each theme in a single report. The eight Reading themes are described briefly at the end of this introduction.

In its broadest sense, "reading" can mean such diverse things as a fortune teller's "reading" tea leaves, one person "reading" another's facial expression and so on. National Assessment is concerned with "reading" in a narrower sense--those "reading skills" usually taught in the schools--and the percentages of individuals who have attained those skills.

In everyday life, people encounter such diverse types of reading materials as books, newspapers, reference works, directions, sundry graphic materials and others. Many of these materials can be read "on the surface" or "in depth." A person may simply glean isolated facts from reading materials; or he may relate these facts to recognize the central idea the facts support, draw complex inferences from the facts or criticize the content. In his essay, "Of Studies," Francis Bacon said,

Some books are to be tasted, others to be swallowed, and some few to be chewed and digested; that is, some books are to be read only in parts; others to be read but not curiously; and some few to be read wholly, and with diligence and attention. . . . Reading maketh a full man; . . . therefore, . . . if [a man] read little, he had need have much cunning, to seem to know that he doth not.

Some types of reading materials, therefore, neither require nor merit a deep, penetrating study that involves high level behaviors. Extrapolating from the Bacon quotation, we might say that a "good" reader can, first of all, discriminate between those materials that are best read shallowly and those that require a reading in depth. Then when he finds a work that needs to be "chewed and digested," he is able to do so effectively. A "poor" reader, on the other hand, can at best cope with the

"shallower" types of reading materials and can only muddle on the surface of more profound works.

The Reading themes represent both a variety of reading materials and a variety of behaviors these materials require. They were developed by members of the National Assessment staff and reading specialists to cluster the Reading exercises into reporting categories that are meaningful to lay persons, scholars and educators who are concerned with the reading skills of various groups of young Americans.¹

The themes are numbered--the lower numbers designating skills that are usually identified with early reading and the higher numbers designating high order skills. Successful performance on exercises in the higher numbered themes requires some of the abilities measured in the lower numbered themes in addition to the higher order skill. This increasing complexity is apparent in the brief descriptions (below) of the Reading themes. A more detailed description of each theme appears in Chapter 1 of the respective theme report.

Theme 1: Understand Words and Word Relationships

Since most reading materials contain words, any cognitive behavior toward them requires at a minimum that the reader be able to understand the meanings of words and how words relate to form a meaningful whole. Exercises in this theme are of three types. One type requires the individual to give the meaning of a word occurring in isolation; another type requires the individual to derive the meaning of a word from its contextual use; and a third type requires the individual to recognize when sets of words relate to form a meaningful whole.

* * *

* * *

* * *

A person must be able to do more than merely recognize words and word relationships. In order to function adequately in everyday life, he must also be able to glean important facts from many types of materials. Themes 2-5 are all concerned with a person's ability to identify and extract significant factual information, but they differ in the method used to present the factual information.

¹See Chapter 3, General Information Yearbook (Report 02-GIY).

Theme 2: Graphic Materials

- Subtheme 1: Interpret drawings and pictures
- Subtheme 3: Read signs and labels
- Subtheme C: Read charts, maps and graphs
- Subtheme D: Read forms

Theme 2 is characterized by materials using a variety of formats other than line-by-line narrative to convey their messages. Graphic materials can be used alone in lieu of line-by-line narrative or can be used in conjunction with line-by-line narrative to clarify or augment its meaning.

Theme 3: Written Directions

- Subtheme A: Understand written directions
- Subtheme B: Carry out written directions

Directions are information-imparting materials that tell how to do something. The subtheme understand written directions requires only that an individual indicate that he could perform what the directions state, given the opportunity. The subtheme carry out written directions requires the individual to actually perform what the directions state under circumstances that imply understanding as a prerequisite for adequate performance.

Theme 4: Reference Materials

- Subtheme A: Know appropriate reference sources
- Subtheme B: Use reference materials effectively

In order to utilize information from reference materials, an individual must first know which type of reference to consult for a specific kind of information. This is the requirement of the subtheme know appropriate reference sources. Once the appropriate source is located, an individual must be able to extract the desired information, that is, use reference materials effectively. In all but one exercise--which incorporated a real dictionary--in the latter subtheme, facsimiles of reference materials were used.

Theme 5: Gleaning Significant Facts From Passages

This theme requires the most concrete level of behavior toward line-by-line narrative. Some exercises require the individual to extract certain facts while the passage is still available to him for reference. Other exercises require the

individual to recall certain facts when the passage is no longer available. Still other exercises require the individual to discern ways in which certain facts relate to each other. While all three types of exercises are concerned with facts, they require increasingly high levels of behavior.

★ ★ ★

★ ★ ★

★ ★ ★

Only if a person can successfully glean important facts from the types of materials in Themes 2-5 is he able to function adequately in everyday life. A good reader, however, goes beyond just gleaning facts from materials. He is able to engage in higher levels of behavior toward the materials. These higher level behaviors are the topics of Themes 6-8. Most of the exercises involve line-by-line narrative, but some represent materials like those in Themes 2-4.

Theme 6: Main Ideas and Organization

Identifying the main idea of a passage or discovering its organization requires a higher level of comprehension than merely gleaning the important facts. Some exercises require the individual to identify the main idea being expressed in a passage either by suggesting an appropriate title or by identifying the point the author is attempting to make. Other exercises require the individual to identify the mode in which the author organizes the facts.

Theme 7: Drawing Inferences

Drawing inferences requires that an individual derive a conclusion not explicitly stated in the passage but which logically might be expected on the basis of the organization of the passage and the information it contains. For some exercises, the individual needs only the information in the passage to derive a conclusion; for others, however, he must also have some additional information based upon his prior experience.

Theme 8: Critical Reading

Critical reading requires from an individual the highest level of behavior--analysis and reasoning. In addition, it requires a reaction to or an opinion about the passage. Critical reading represents a deep interaction between author and reader that can lead to an understanding that is greater than the contribution of either.

METHODS OF DESCRIBING THE DATA

In order that the reader of this and other National Assessment reports be able to obtain the fullest benefit and meaning of the data we describe, we recommend that the reader consult the General Information Yearbook (Report 02-GIY). This Yearbook discloses the origin, purposes and goals of the National Assessment project and the philosophy of assessment as contrasted to standardized testing. The Yearbook also presents the operational procedures and methods we use to obtain, score, analyze and describe our data. We believe that this information is essential for the reader to obtain a full understanding of National Assessment data.

Describing the Data

We report results for four age levels (9, 13, 17 and young adult, 26-35). Within each age level across the nation as a whole (national level), we give results for four regions of the country (Northeast, Southeast, Central and West); two sexes (male and female); two colors (Black and White); four levels of parental education (no high school, some high school, graduated from high school and post high school); and seven sizes and types of community for ages 9 and 13 and in-school age 17 (extreme inner city, extreme rural, small city, medium city, rest of big city, suburban fringe and extreme affluent suburb). Type of community information was not available for individuals in the out-of-school assessment (young adults and some 17-year-olds). For this reason, we report for young adults only the results for four sizes of community (big city, small place, medium city and urban fringe). The size and type of community data reported for 17-year-olds applies only to those enrolled in school at the time of assessment.¹

Most exercises have answers that can be scored "correct" or "incorrect." Many others, however, while having answers that cannot be scored "correct" or "incorrect," have some best answer or most desirable answer. We use the term--percentage of success--to describe the proportion of individuals who gave the correct, best or most desirable answer to an exercise. We express a

¹See the General Information Yearbook, Chapter 3 (Report 02-GIY) for definitions of these age levels and groups.

percentage of success for the nation as a whole (entire age level) and for each of these groups on each exercise.

We then determine the difference between the percentage of success for each group and the percentage of success for the nation as a whole, and the number we obtain is called an effect. An effect is expressed as the percentage of success for a group minus the percentage of success for the nation as a whole. For example:

$$\begin{array}{rclcl} \text{Northeast} & - & \text{National} & = & \text{Northeast} \\ \% \text{ of Success} & & \% \text{ of Success} & & \text{Effect} \end{array}$$

A positive (greater than zero) effect means that a larger percentage of individuals in a group gave an acceptable answer to an exercise than did so in the nation as a whole. For example, if 74% of 13-year-olds in the Northeast gave an acceptable answer, but only 68% of the 13-year-olds in the nation as a whole gave an acceptable answer, the Northeast effect for 13-year-olds would be

$$\begin{array}{rclcl} \text{Northeast} & - & \text{National} & = & \text{Northeast} \\ \% \text{ of Success} & & \% \text{ of Success} & & \text{Effect} \\ 74\% & - & 68\% & = & 6\% \end{array}$$

A negative (less than zero) effect means that a smaller percentage of individuals in a group gave an acceptable answer to an exercise than did so in the nation as a whole. For example, if 52% of 9-year-olds in the West gave an acceptable answer but 60% of 9-year-olds in the nation as a whole gave an acceptable answer, the West effect for 9-year-olds would be

$$\begin{array}{rclcl} \text{West} & - & \text{National} & = & \text{West} \\ \% \text{ of Success} & & \% \text{ of Success} & & \text{Effect} \\ 52\% & - & 60\% & = & -8\% \end{array}$$

Limit tions of the Data

The National Assessment of Educational Progress was created to provide data regarding the educational achievements of various groups of young Americans in 10 subject areas. Within the

²Art, Career and Occupational Development, Citizenship, Literature, Mathematics, Music, Reading, Science, Social Studies and Writing.

limits of error due to measurement³ and sampling error,⁴ the data presented in National Assessment reports accurately describe the educational achievements of these groups as they exist in the real world. These data portray the problems facing education--improving the educational achievements of various groups of students.

Although we refer to the observed difference between an achievement for a group and that for the nation as a whole as a group effect, we do not imply a cause-effect relationship between membership in a group and that group's level of achievement. Our use of the term effect derives solely from a statistical usage. National Assessment is not intended to provide reasons for differences if they exist. Many factors can and frequently do affect the educational achievements of members of various groups. Consider, for example, a hypothetical group whose achievement is well above the national level. Most members of the group may attend schools that have excellent physical facilities and high quality faculties, belong to high socioeconomic families, have many reading materials available in the home, be encouraged by their parents and so on. All these factors--and others--could contribute to the group's high level of achievement while membership in the group itself may contribute very little or nothing. We simply cannot assess some of these contributing factors directly. Some of these factors are points of sensitivity to various groups. The information necessary to assess certain factors is often not obtainable (for example, younger children may not know the information). Other factors may not yet have been identified. The factors we assess "stand in" for many other factors that can and do influence educational achievement and, therefore, reflect different levels of achievement among groups.

The name of a group is merely a categorical label. Therefore, the characteristic(s) indicated by a group's name must not

³Measurement error stems from three basic sources: (1) the measuring instrument; for example, instructions may be misleading or questions may be vaguely phrased or contain a tipoff to the correct answer; (2) the examinee; for example, may be emotionally upset, physically ill or handicapped or lack motivation; and (3) the measurement situation; for example, temperature and lighting conditions, noise level, pleasantness of surroundings and the test administrator.

⁴When data are obtained from samples of entire populations, it is improbable that the numbers we obtain are exactly the same as we would have obtained from the entire population. See the General Information Yearbook, Chapter 10 and Appendix C (Report 02-GIY) for a discussion of sampling error and standard error.

be construed as necessarily being the cause or even as being a cause for the high or low achievement of that group compared to the national level. Often, a disproportionately large percentage of members of a group of interest are also members of particular groups defined by other factors; all these factors may contribute to the group's high (or low) level of achievement.

The aim of National Assessment is to describe the educational achievements of entire groups, that is, populations. While we do not obtain data from all members of any group, we obtain data from carefully selected representative samples. Even data obtained in this way, however, are subject to error. Because of this error, the group effects we observe in the sample data will not be exactly the same as they would be if we were to assess all members of the group. We use statistical procedures to determine the probable extent of this sampling error.

Our major concern is with the direction of population effects. When we look at each sample effect, therefore, we need to ask, "Is this sample effect large enough that we can be reasonably certain that the direction of the population effect is the same as that of the sample effect?" When the size of a sample effect is at least two times as large as its standard error, the probability is at most 5% that an effect this large or larger would be obtained from a sample if no real population effect in that direction existed. We call such effects reliable and indicate them on exhibits with asterisks (*) to show that the indicated direction is reasonably certain for the population effect.

Reasonable certainty of direction is often not the same as a sample effect being large enough for the corresponding population effect to be of practical importance. This must be judged by the user. In making such judgments about sample effects, however, the user must pay attention to their reliability. If a sample effect is not reliable--if we cannot be reasonably certain that it has the same direction as the corresponding population effect--we cannot place much weight on its size even if we would judge its size and direction quite important knowing this value to be the population effect.

Summarizing the Data

In summarizing the data for a group, we talk of the group's overall behavior and certain specific behaviors. An overall behavior is represented numerically by the group's median effect and reflects its relative performance as a whole on a theme. A specific behavior is represented numerically by a group's effect on a given exercise (or part of an exercise) and reflects its relative performance only on that exercise (or part). Summary

Statements about a group's overall behavior are derived from the group's specific effects on the individual exercises in a theme; however, it is often the case that such general statements about overall behavior do not adequately describe some of the specific effects. Therefore, caution must be exercised when applying summary statements to individual exercises. Summary statements describe a group's overall behavior on a set of exercises, that is, the behavior we would expect from the group based on the data at hand. In addition to describing each group's overall behavior, we also indicate those exercises on which each group behaved differently than we would expect relative to its own overall or median level.⁵

In summarizing the data for a theme, we would like to make a single statement that describes each group's overall behavior relative to the national level. One suitable number that describes such overall behavior is the group's median effect. It tells where the center of the distribution of a group's effects is located, that is, half the effects are above and half below the median value. However, it could be misleading to say that a group's overall behavior is above or below the national level simply because its median effect is above or below the national level. A group whose median effect is close to the national level (for example, 0.2) probably behaved more like than very different from the national level on the given set of exercises.

We stated above that we could place little weight on unreliable effects. However, if a large enough proportion of a group's effects--even if none are reliable--occur either above or below the national level, we have an indication that the group's overall behavior tends to be above or below the national level. If, in addition to having a large proportion of its effects occurring in one direction, a group has many reliable effects, we have an indication that the group's overall behavior differs more strongly from the national level. We have adopted the following rules to describe when a group's overall behavior (1) tends to be about the same as the national level, (2) tends to be different (differs weakly) from the national level or (3) is characteristically different (differs strongly) from the national level.

1. A group's overall behavior on a theme tends to be about the same as the national level if fewer than

⁵ A median is the point in an ordered set of values below which 50% of the values occur. For a more complete description of the median, see the General Information Yearbook, Appendix E (Report 02-GIY).

75% of its effects occur either above or below the national level. In other words, if a group's upper quartile⁶ effect is positive (greater than zero) and the lower quartile⁶ effect is negative (less than zero), the group's overall behavior tends to be about the same as the national level.

- 2a. A group's overall behavior on a theme tends to be above the national level if at least 75% of its effects are positive. In other words, if a group's lower quartile effect is positive, the group's overall behavior tends to be above the national level.
- 2b. A group's overall behavior on a theme tends to be below the national level if at least 75% of its effects are negative. In other words, if a group's upper quartile effect is negative, the group's overall behavior tends to be below the national level.
- 3a. A group's overall behavior on a theme is characteristically above the national level if at least 75% of its effects are positive and if more than 50% of its effects are reliably greater than zero.
- 3b. A group's overall behavior on a theme is characteristically below the national level if at least 75% of its effects are negative and if more than 50% of its effects are reliably less than zero.

Both directional tendencies and directional characteristics provide a means of comparing each group's overall behavior with the national level. They do not tell us, however, on which exercises a group behaves quite differently than we would expect on the basis of its overall behavior.

⁶The lower quartile is the point in an ordered set of values below which 25% of the values occur. The upper quartile is the point in an ordered set of values below which 75% of the values occur. For a more complete description of the quartiles, see the General Information Yearbook, Appendix E (Report 02-GIY).

Atypical Group Behaviors

In addition to describing each group's overall behavior relative to the national level, we describe each group's specific behaviors relative to its own overall level of behavior. As we stated earlier, a suitable number that describes a group's overall behavior is its median effect. Note on Exhibit M-1 how a group's effects distribute around the median point. An arrow (→) indicates the location of the median point of each distribution. For many groups, some effects stand notably apart from most of those in the distribution. We can think of these outstanding effects as representing a group's atypical behaviors, that is, the group's specific effects that differ markedly from its overall behavior (or median level). We have adopted the following rule to identify those exercises on which a group exhibits atypical behavior.

If an effect for a given exercise departs from the median effect by an amount at least two and one half times as large as the pooled standard error⁷ of all the group's effects for a given set of exercises (theme), the group's behavior on that exercise is atypical. Again, look at the example exhibit (M-1). The zero line (0) represents the national level of behavior. An effect is represented by a box with an X (☒) unless it is atypical. An atypical effect is represented by an open box (☐).

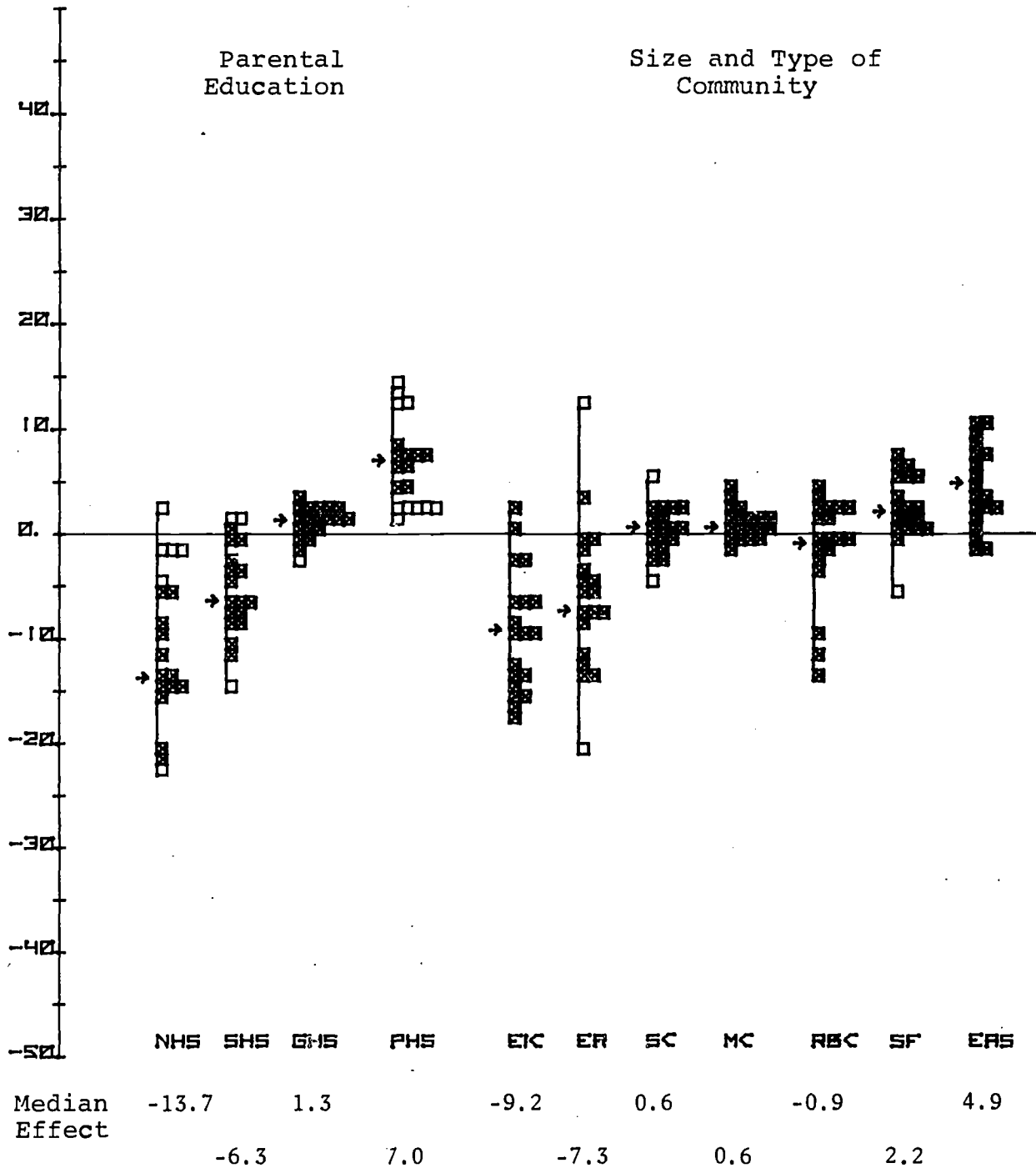
If a group's overall behavior has no directional tendency, that is, if it tends to be about the same as the national level, it suffices to say that an atypical behavior is high or low for that group. See, for example, the distribution of effects for the small city group (SC) on Exhibit M-1.

On the other hand, if a group's overall behavior has either a directional tendency or a directional characteristic above the national level, or if a group's overall behavior has either a directional tendency or a directional characteristic below the national level, it is not sufficient to say that a group's atypical behavior is simply high or low. Consider, for example, the distributions for two groups from Exhibit M-1. The overall behavior for the no high school (NHS) parental education group is characteristically below the national level, and the overall behavior for the post high school (PHS) group is characteristically

⁷Chapter 10 and Appendix C of the General Information Yearbook (Report 02-GIY) discuss the meaning and use of the standard error. Appendix C gives the formula for the pooled standard error we use.

Exhibit M-1

Example Distributions of Effects



KEYS:

Region

SE Southeast
W West
C Central
NE Northeast

Sex

M Male
F Female

Color

B Black
W White

Parental Education

NHS No High School
SHS Some High School
GHS Graduated from High School
PHS Post High School

Size and Type of Community (STOC)

EIC Extreme Inner City
ER Extreme Rural
SC Small City
MC Medium City
RBC Rest of Big City
SF Suburban Fringe
EAS Extreme Affluent Suburb

Size of Community (SOC)

BC Big City
SP Smaller Places
MC Medium City
UF Urban Fringe

above the national level. The atypically low behaviors of the NHS group are even farther from the national level than its own median level while the atypically low behaviors of the PHS group would be closer to the national level than its own median level. Conversely, the atypically high behaviors of the PHS group are even farther from the national level than its own median level while the atypically high behaviors of the NHS group are closer to the national level than its own median level.

It seems logical that we consider together (1) those atypical behaviors that are farther from the national level than a group's own median level and (2) those atypical behaviors that are closer to⁸ the national level than a group's own median level.

In summary, in the age level chapters (3, 4, 5 and 6), we give particular attention to those exercises on which each group had atypical behaviors. If a group's overall behavior has no directional tendency, we describe the group's overall behaviors as being either high or low. If a group's overall behavior has a directional tendency or a directional characteristic, we describe the group's atypical behaviors as farther from or closer to the national level than the group's own median level.

⁸An atypical effect (or behavior) described as closer to the national level most often is less extreme in the same direction as a group's tendency or characteristic. It sometimes happens, however, that a "closer to" atypical behavior occurs in the opposite direction from the national level as the group's median level. We use the single term, closer to, to describe all atypical behaviors that depart from a group's median level in the direction of the national level.

CHAPTER 1

THEME 7: DRAWING INFERENCES

The reader who can identify the main idea of a passage and its organizational mode (Theme 6) has taken a large step toward attaining the ultimate reading goals: understanding exactly what the author has said and responding meaningfully to the author's message. The next step toward attaining these goals is being able to draw inferences from what the author has said. This skill involves going beyond the information given by the author and drawing conclusions based on that information. A reader who has not mastered the skill of identifying the main idea of a passage and its mode of organization is likely to draw incorrect inferences since he cannot tell what facts (conclusions) should follow from the facts given if he has not understood the conceptual framework (main idea and organization) of the whole passage.

Some exercises in Theme 7 require the reader to draw inferences based upon those given by the author integrated with facts from his own prior experiences. Here the reader must recognize that certain of his experiential facts belong to the same conceptual framework as the facts in the passage.

With each step the reader takes toward the ultimate reading goals, he becomes ever more deeply involved in a reader-author interaction. In drawing inferences, the reader must logically analyze the author's message and "read between the lines" as it were. The reader has not yet been asked to evaluate or criticize the author's message; this is the material of Theme 8: Critical Reading.

CHAPTER 2

SUMMARY OF RESULTS

In summarizing the data from Theme 7: Drawing Inferences, we compare the overall performance of the various groups to the national level on the set of exercises representing Theme 7. An overall performance represents the behavior we would expect, on the basis of the data at hand, from a given group on drawing inferences from reading materials. Exhibit 2-1 shows the median group effects at each age level. Exhibit 2-2 shows the directional tendencies and directional characteristics¹ of the overall group behaviors represented by the median effects.

1. A zero (0) indicates that a group's overall behavior tends to be about the same as the national level.
- 2a. A plus sign (+) indicates that a group's overall behavior tends to be above the national level.
- 2b. A minus sign (-) indicates that a group's overall behavior tends to be below the national level.
- 3a. A double plus (++) indicates that a group's overall behavior is characteristically above the national level.
- 3b. A double minus (--) indicates that a group's overall behavior is characteristically below the national level.

¹These terms are defined in Methods of Describing the Data, in the section Summarizing the Data.

EXHIBIT 2-1

Median Group Effects at Each Age Level

Age Level No. of Effects	9 (33)	13 (45)	17 (38)	Adult (12)
Region				
Southeast	-7.2	-3.9	-5.8	-10.7
West	-0.5	0.0	0.4	4.3
Central	3.2	1.8	1.7	0.2
Northeast	2.4	1.7	1.6	2.4
Sex				
Male	-2.4	-2.3	-1.9	1.0
Female	2.4	2.2	1.9	-1.1
Color				
Black	-19.0	-13.8	-15.6	-19.9
White	3.4	2.4	2.1	2.8
Parental Education				
No high school	-11.8	-10.4	-11.0	-9.9
Some high school	-6.9	-3.2	-5.9	-2.8
Graduated high school	1.3	0.2	-0.4	3.3
Post high school	7.6	5.8	6.1	14.2
Size and Type of Community*				
Extreme inner city	-15.3	-6.7	-8.9	
Extreme rural	5.1	-2.2	-2.7	
Small city	-0.7	-0.2	-1.5	
Medium city	0.1	0.2	-0.1	
Rest of big city	2.9	-0.8	1.3	
Suburban fringe	2.2	2.0	1.8	
Extreme affluent suburb	9.3	5.0	5.9	
Size of Community				
Big city				-1.2
Small place				-1.1
Medium city				-0.3
Urban fringe				4.3

*Type of community information was not available for out-of-school individuals (young adults and some 17-year-olds). Size and type of community median effects at age 17 apply only to those in school.

EXHIBIT 2-2

Directional Tendencies and Directional Characteristics

Age Level	9	13	17	Adult
Region				
Southeast	--	--	--	--
West	0	0	0	+
Central	+	+	+	0
Northeast	+	+	+	+
Sex				
Male	--	--	--	+
Female	++	++	++	-
Color				
Black	--	--	--	--
White	++	++	++	++
Parental Education				
No high school	--	--	--	--
Some high school	-	-	--	-
Graduated high school	+	0	0	+
Post high school	++	++	++	++
Size and Type of Community*				
Extreme inner city	--	--	--	
Extreme rural	-	-	-	
Small city	0	0	-	
Medium city	0	0	0	
Rest of big city	+	0	0	
Suburban fringe	+	0	0	
Extreme affluent suburb	++	++	++	
Size of Community				
Big city				0
Small place				0
Medium city				0
Urban fringe				+

*Type of community information was not available for out-of-school individuals (young adults and some 17-year-olds). Size and type of community median effects at age 17 apply only to those in school.

CHAPTER 3

RESULTS FOR AGE 9

The 9-year-olds participating in the 1970-71 Reading assessment were born during the calendar year 1961. About three fourths of them were enrolled in the fourth grade at the time of the assessment, and most of the remainder were enrolled in the third grade.

First, we describe each group's overall behavior on the Theme 7 exercises, then we indicate those exercises on which the group's performance differs atypically from the group's median level. Finally, we present each released exercise and an exhibit showing the results for each group on that exercise.

Thirty-three specific effects (behaviors) on drawing inferences are summarized at age 9. Seventeen of these represent released exercises and are described in detail. The other 16 behaviors represent unreleased exercises to be used in future assessments. Exhibit 3-1 shows the distribution of the 33 effects representing Theme 7 for each group relative to the national level indicated by the \emptyset line. A group's median level is indicated by an arrow (\rightarrow). Each specific behavior is indicated by a box with an X (\boxtimes) unless it differs atypically from the group's median level; then it is represented by an open box (\square).

When a group's overall behavior has been described as tending to be above (+) or tending to be below (-), or as characteristically above (++) or characteristically below (--) the national level, a specific behavior for that group can be: (1) atypically farther from the national level than is the group's median level or (2) atypically closer to¹ the national level.

When a group's overall behavior has been described as tending to be about the same as the national level (0), a specific

¹An atypical effect (or behavior) described as being closer to the national level may be (1) less extreme in the same direction as a group's tendency or characteristic, or (2) it may occur in the opposite direction from the national level as the group's median level.

EXHIBIT 3-1A

Distribution of Effects for Age 9

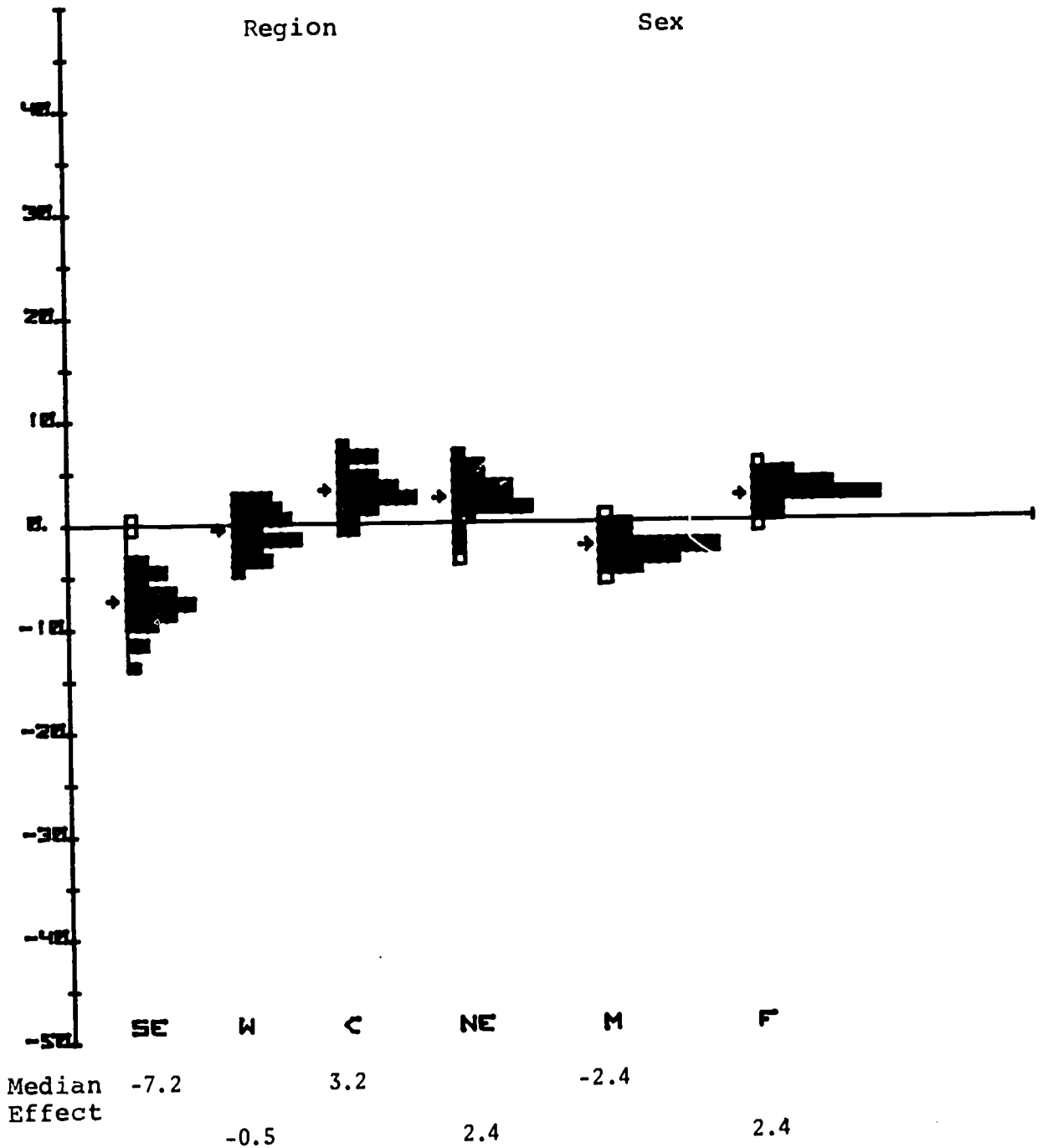


EXHIBIT 3-1B

Distribution of Effects for Age 9

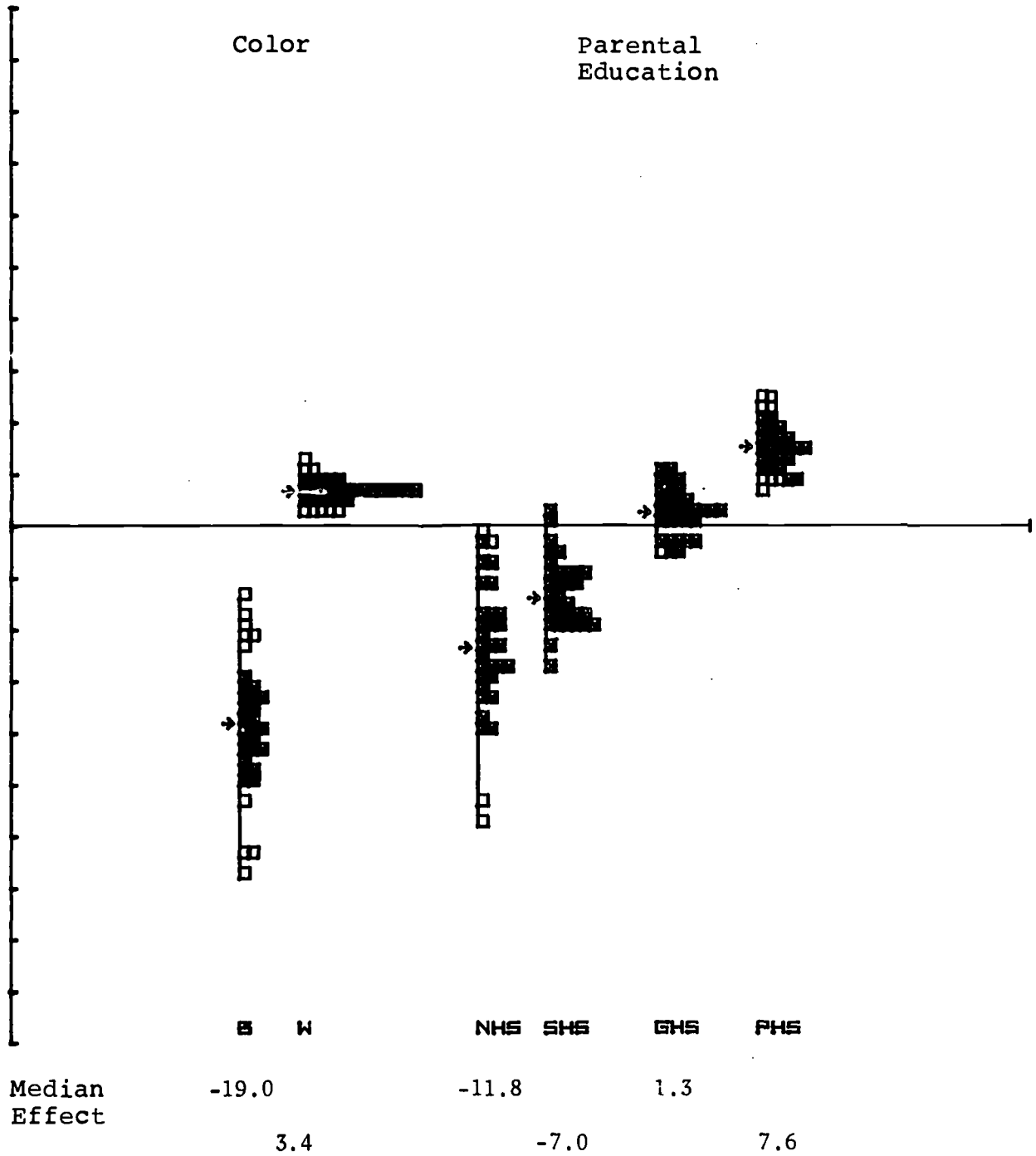
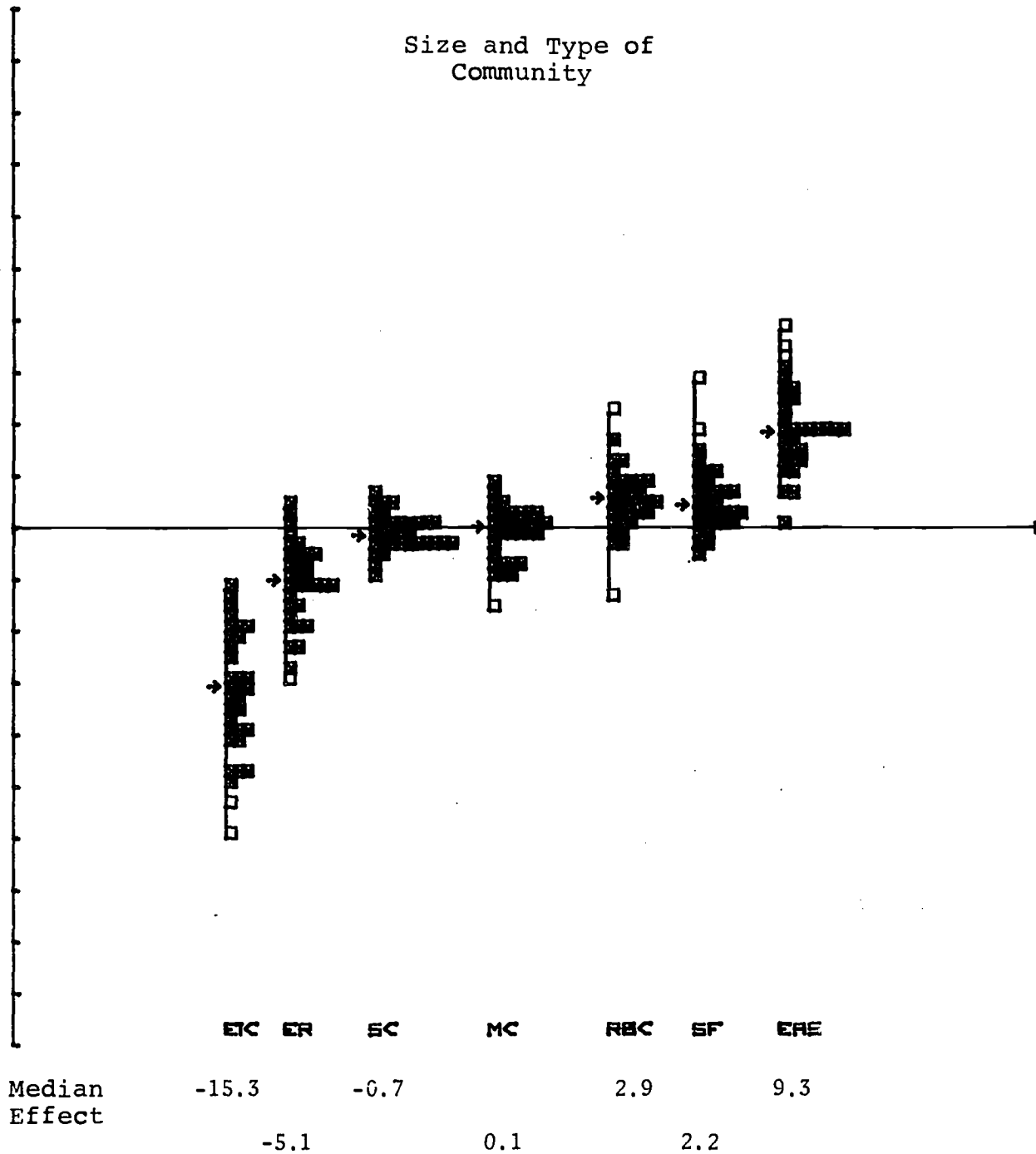


EXHIBIT 3-1C

Distribution of Effects for Age 9



behavior for that group can be atypically high or low relative to the group's median level.

Region

Southeastern 9-year-olds had a median effect of -7.2 and an overall behavior characteristically below the national level. However, they performed atypically closer to the national level on unreleased Exercise U705 that required inferring "who had a difficult responsibility" in a passage about the Constitution and on released Exercise R729 that required inferring that Frangibles (See p. 41) would enter into an object to study it.

Western 9-year-olds had a median effect of -0.5 and an overall behavior that tended to be about the same as the national level. They had no atypical behaviors.

With median effects of 3.2 and 2.4, respectively, both Central and Northeastern 9-year-olds had an overall behavior that tended to be above the national level. The Central group had no atypical behaviors, but the Northeastern group performed atypically closer to the national level on Exercise U705 that required inferring "who had a difficult responsibility" in a passage about the Constitution.

Sex

While boys had a median effect of -2.4 and an overall behavior characteristically below the national level, girls had a median effect of 2.4 and an overall behavior characteristically above the national level. Both groups performed atypically farther from the national level on unreleased Exercise U720 that required inferring how a spider felt about not having any hair. Both groups performed atypically closer to the national level on Exercise U705 that required inferring "who had a difficult responsibility" in a passage about the Constitution. Girls also performed atypically closer to the national level on Exercise R729 that required inferring that Frangibles would enter into an object to study it.

Color

While Blacks had a median effect of -19.0 and an overall behavior characteristically below the national level, White 9-year-olds had a median effect of 3.4 and an overall behavior characteristically above the national level. However, both groups performed atypically closer to the national level on two released and three unreleased exercises: R718 required inferring which of

two boys had won a fight; R729 required inferring that a Frangible would enter into an object to find out about it; U705 required inferring "who had a difficult responsibility" in a passage about the Constitution; U712 required inferring that the worm ate the apple; and U719 required defining a nonsense word from context. Blacks also performed atypically closer to the national level on Exercise R711 that required inferring that the author of a ski story should have arranged for accommodations.

The behavior of both groups was atypically farther from the national level on three released exercises: R70301 required inferring that the home of Captain Cook (a penguin) was in a refrigerator because penguins liked the cold; R70302 required inferring that penguins are difficult to care for; and R726 required inferring (from a winter story) that people were doing last-minute Christmas shopping. Blacks also performed atypically farther from the national level on unreleased Exercise U723 that required inferring how a spider made use of his many legs.

Parental Education²

The no high school group had a median effect of -11.8 and an overall behavior characteristically below the national level. However, they performed atypically closer to the national level on Exercise U728 that required inferring what was described in a riddle and on Exercise R730 that required inferring from context that "marts" are flowers. They performed atypically farther from the national level on Exercise R70301 that required inferring that the home of Captain Cook (a penguin) was in a refrigerator because penguins liked the cold and on Exercise R70302 that required inferring that penguins are difficult to care for.

With a median effect of -6.9, the some high school group had an overall behavior that tended to be below the national level. They had no atypical behaviors.

With a median effect of 1.3, the graduated from high school group had an overall behavior tending to be above the national level. They performed atypically closer to the national level on Exercise U723 that required inferring how a spider made use of his many legs.

²See *Report 02-GIY, Reading & Literature: General Information Yearbook* (Washington, DC: Government Printing Office, 1972) p. 15 for definitions of the parental education groups.

The post high school group had a median effect of 7.6 and an overall behavior characteristically above the national level. However, they performed atypically closer to the national level on three exercises: U712 required inferring that a worm ate the apple; U719 required defining a nonsense word from context; and U728 required inferring what was described in a riddle. They performed atypically farther from the national level on four exercises: R70302 required inferring that penguins are difficult to care for; R713 required inferring that Helen Keller lost her sight and hearing in 1882; R726 required inferring that people in a winter story were doing last-minute Christmas shopping; and R723 required inferring how a spider made use of his many legs.

Size and Type of Community³

With a median effect of -15.3, the extreme inner city group had an overall behavior characteristically below the national level. They performed atypically farther from the national level on Exercise R726 that required inferring that people in a winter story were doing last-minute Christmas shopping and on Exercise R732 that required inferring that the date of the same story was December 21.

With a median effect of -5.1, the extreme rural group had an overall behavior that tended to be below the national level. They performed atypically farther from the national level on Exercise R70301 that required inferring that the home of Captain Cook (a penguin) was in a refrigerator because penguins like the cold.

The small city and medium city groups had median effects of -0.7 and 0.1, respectively. The overall behavior of both groups tended to be about the same as the national level. While the small city group had no atypical behaviors, the medium city group performed atypically low on Exercise R713 that required inferring that Helen Keller lost her sight and hearing in 1882.

The rest of big city and suburban fringe groups had median effects of 2.9 and 2.2, respectively. The overall behavior of both groups tended to be above the national level. The rest of big city group performed atypically closer to the national level on Exercise R731 that required inferring that Silky the Spider thought flies made good playmates. They performed atypically farther from the national level on Exercise R711 that required

³See Report 02-GIY, *Reading & Literature: General Information Yearbook* (Washington, DC: Government Printing Office, 1972) p. 16 for definitions of the size and type of community groups.

inferring that the author of a ski story should have arranged for accommodations. The suburban fringe group performed atypically farther from the national level on Exercise R731 (flies make good playmates) and on Exercise R732 that required inferring that the date of a winter story was December 21.

The extreme affluent suburb group had a median effect of 9.3 and an overall behavior characteristically above the national level. They performed atypically farther from the national level on one released and two unreleased exercises: R713 required inferring that Helen Keller lost her sight and hearing in 1882; U705 required inferring "who had a difficult responsibility" in a passage about the Constitution; and U71606 required inferring, on the basis of extraneous knowledge, whether a series of statements was true or false.

* * *

* * *

* * *

The data for each released exercise that represents drawing inferences are presented in the following manner. The upper part of the first page shows the exercise number and age level. Then the exercise is shown as it appeared to the respondent except that the correct answer is indicated. The percentage of 9-year-olds choosing each answer is also shown.

The exhibit on the lower part of the page shows the national percentage of success and the percentage of success for each group both tabularly (leftmost column of figures) and graphically (horizontal bars). The second column of figures on the left side of the exhibit shows the effects for all groups with asterisks (*) indicating those that are reliably different from the national percentage of success. The effects can also be seen graphically. Note the vertical dashed line descending from the end of the national percentage bar. This allows a visual comparison of each group percentage of success with the national percentage of success.

The last page again gives the exercise number and age level. It also gives the objective and major subobjective for which the exercise was written and a brief description of the exercise with unusual or interesting responses pointed out when appropriate.

RELEASED EXERCISES

Exercise 703 -- Age 9

Read the story and answer the questions on the next two pages.

You may look back to this page if you wish.

70301

Nat'l %
Choosing
Each Answer

Why did Mr. Popper make Captain Cook's home
in the refrigerator?

- 1.5% ☐ Penguins like milk.
10.1% ☐ Captain Cook was lonely.
4.5% ☐ Captain Cook liked to eat.
67.4% ☒ Penguins live in cold places.
8.3% ☐ Captain Cook had always lived in a refrigerator.
4.3% ☐ I don't know.
3.9% No response

*Language for Daily Use, Dawson, Elwell, Zollinger, and Johnson.
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N01 07 4/1 04*X703014 R0004010

9

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE-----GROUP	PERCENTAGE OF SUCCESS
			0 10 20 30 40 50 60 70 80 90 100
67.4	---	NATIONAL	*****
		REGION	
59.0	-8.5*	Southeast	*****
64.2	-3.3	West	*****
74.1	6.6*	Central	*****
70.3	2.9	Northeast	*****
		SEX	
65.3	-2.1*	Male	*****
69.5	2.1*	Female	*****
		COLOR	
35.8	-31.7*	Black	*****
73.3	5.9*	White	*****
		PARENTAL EDUCATION	
39.2	-28.3*	No High School	*****
55.9	-11.5*	Some High School	*****
69.7	2.3	Graduated High Sch.	*****
77.4	10.0*	Post High School	*****
		SIZE-AND-TYPE OF COMMUNITY	
47.8	-19.6*	Extreme Inner City	*****
52.6	-14.8*	Extreme Rural	*****
70.9	3.5	Small City	*****
67.4	-0.1	Medium City	*****
68.7	1.3	Rest of Big City	*****
70.6	3.1	Suburban Fringe	*****
80.4	13.0*	Extreme Aff Suburb	*****

70302

Nat'l &
Choosing
Each Answer

What is generally true about penguins?

- 6.3% ☐ They like to live alone.
- 5.2% ☐ They like painted houses.
- 10.1% ☐ They live in refrigerators.
- 62.5% ☒ They are difficult pets to care for.
- 4.9% ☐ They make excellent pets for city dwellers.
- 6.7% ☐ I don't know.
- 4.3% ☐ No response

R01 07 5/1 04*X703024 R0004010

9

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
62.5	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
		<u>REGION</u>												
53.4	-9.1*		Southeast	*****										
57.6	-4.9		West	*****										
70.3	7.8*		Central	*****										
66.1	3.6		Northeast	*****										
		<u>SEX</u>												
60.1	-2.4		Male	*****										
64.8	2.3		Female	*****										
		<u>COLOR</u>												
28.6	-33.9*		Black	*****										
68.7	6.2*		White	*****										
		<u>PARENTAL EDUCATION</u>												
36.0	-26.5*		No High School	*****										
53.3	-9.3		Some High School	*****										
63.8	1.3		Graduated High Sch.	*****										
74.1	11.6*		Post High School	*****										
		<u>SIZE-AND-TYPE OF COMMUNITY</u>												
39.1	-23.4*		Extreme Inner City	*****										
48.7	-13.8*		Extreme Rural	*****										
65.0	2.5		Small City	*****										
65.6	4.1		Medium City	*****										
65.4	2.9		Rest Of Big City	*****										
60.3	-2.2		Suburban Fringe	*****										
77.3	14.8*		Extreme Aff Suburb	*****										

Exercise 703 -- Age 9

70301

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

70302

Subobjective B: Arrive at a general principle after examining a series of details.

Here is a story of a house painter who receives a penguin as a pet and the problems he encounters as a result. On part 70301, 67% of 9-year-olds were able to infer that Captain Cook's "home" was made in the refrigerator because "Penguins live in cold places." Two popular incorrect answers were--"Captain Cook was lonely" (10%), a fact given in the passage but not related to living in the refrigerator, and "Captain Cook had always lived in a refrigerator" (8%).

On part 70302, 63% were able to infer that penguins are difficult pets to care for as being generally true of penguins. However, 10% thought that living in refrigerators was generally true of penguins.

Exercise 704 -- Age 9

Read the story and answer the question which follows it.

The wind pushed the boat farther and farther out to sea.
It started to rain and the fog grew thick. The boy and his father
were lost at sea.

Nat'l %
Choosing What could help the boy and his father now?
Each Answer

- 7.9% ☐ Thicker fog
1.5% ☐ A television
3.0% ☐ Some fishing poles
83.4% ☒ Someone to rescue them
3.7% ☐ I don't know.
0.5% No response

V02 04 3/1 04*X704014 R0304010

9

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
93.4	---	NATIONAL		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
76.9	-6.5*	REGION	Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
81.3	-2.1		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
88.2	4.8*		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
84.7	1.3		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
81.7	-1.7*	SEX	Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
95.2	1.8*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
61.8	-21.6*	COLOR	Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
87.2	3.8*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
69.3	-14.1*	PARENTAL EDUCATION	No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
74.6	-8.8		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
85.3	1.9		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
91.0	7.5*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
66.6	-16.8*	SIZE-AND-TYPE OF COMMUNITY	Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
74.3	-9.1*		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
84.0	0.6		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
85.2	1.8		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
86.3	2.9		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
86.5	3.1*		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
89.8	6.4*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 704 -- Age 9

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

Eighty-three percent of 9-year-olds were able to infer that "Someone to rescue them" could help the boy and his father who were lost at sea in a storm more than "Thicker fog," "A television" or "Some fishing poles."

Exercise 707 -- Age 9

Read the story and answer the question which follows it.

Silky the Spider used to spin his web from one side of the block to the other. Sometimes he would spin his web across a street. One day when he did that he caught three cars, two trucks, and one poor old horse.

Nat'l % Which one of these sentences tells BEST what Silky's web was like?
Choosing
Each Answer

- 74.7% ☒ Silky's web was very big.
10.9% ☐ Silky's web was not strong.
7.0% ☐ Silky's web was quite small.
2.0% ☐ Silky's web was red and green.
4.6% ☐ I don't know.
0.8% No response

W03 04 3/1 .01*X707014 00004010

9

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
74.7	---	NATIONAL		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		REGION												
65.4	-9.3*		Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
73.5	-1.2		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
81.6	6.8*		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
76.3	1.6		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SEX												
71.3	-2.9*		Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
77.5	2.8*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		COLOR												
51.1	-23.7*		Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78.1	3.4*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		PARENTAL EDUCATION												
65.4	-9.3*		No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
68.9	-5.9		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
75.9	1.1		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
81.4	6.6*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SIZE-AND-TYPE OF COMMUNITY												
50.6	-24.1*		Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
69.6	-5.1		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
72.9	-1.9		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
74.2	-0.6		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
79.1	4.4		Rest of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
76.0	1.3		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
89.7	15.0*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 707 -- Age 9

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material
that is read and "read between the lines" where
necessary.

Here is one of several little stories about Silky, a sort of "Superspider." In this episode, Silky built his web across a street and caught three cars, two trucks and one "poor old horse." From this information, 75% of 9-year-olds were able to infer that Silky's web was very big. Most of the others said Silky's web was either not strong or quite small.

Exercise 710 -- Age 9

This is like a game to see if you can tell what the nonsense word in the paragraph stands for. The nonsense word is just a silly word for something that you know very well. Read the paragraph and see if you can tell what the underlined nonsense word stands for.

Most people have two cags. You use your cags to hold things when you eat or brush your teeth. Some people write with their left cag, and some people write with their right cag.

Nat'l %
Choosing Cags are probably
Each Answer

- 5.3% ☐ eyes.
3.8% ☐ feet.
78.9% ☒ hands.
6.8% ☐ pencils.
8.4% ☐ I don't know.
0.9% No response

N04 02 3/1 03*X710011 11000010

9

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP DIFFER	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
74.9	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
68.0	-6.8*	REGION	Southeast	+	+	+	+	+	+	+	+	+	+	+
71.9	-3.1		West	+	+	+	+	+	+	+	+	+	+	+
77.5	2.6		Central	+	+	+	+	+	+	+	+	+	+	+
81.0	6.1*		Northeast	+	+	+	+	+	+	+	+	+	+	+
71.3	-3.6*	SEX	Male	+	+	+	+	+	+	+	+	+	+	+
79.2	3.3*		Female	+	+	+	+	+	+	+	+	+	+	+
59.9	-15.0*	COLOR	Black	+	+	+	+	+	+	+	+	+	+	+
77.7	2.9*		White	+	+	+	+	+	+	+	+	+	+	+
61.4	-13.5*	PARENTAL EDUCATION	No High School	+	+	+	+	+	+	+	+	+	+	+
65.0	-9.9*		Some High School	+	+	+	+	+	+	+	+	+	+	+
76.3	1.4		Graduated High Sch.	+	+	+	+	+	+	+	+	+	+	+
83.3	8.4*		Post High School	+	+	+	+	+	+	+	+	+	+	+
69.5	-6.3	SIZE-AND-TYPE OF COMMUNITY	Extreme Inner City	+	+	+	+	+	+	+	+	+	+	+
72.6	-2.3		Extreme Rural	+	+	+	+	+	+	+	+	+	+	+
73.3	-1.1		Small City	+	+	+	+	+	+	+	+	+	+	+
71.2	-3.7		Medium City	+	+	+	+	+	+	+	+	+	+	+
79.4	4.5		Rest Of Big City	+	+	+	+	+	+	+	+	+	+	+
75.4	0.5		Suburban Fringe	+	+	+	+	+	+	+	+	+	+	+
85.6	10.7*		Extreme Aff Suburb	+	+	+	+	+	+	+	+	+	+	+

Exercise 710 -- Age 9

Objective I: Comprehend what is read.

Subobjective A: Read individual words.

This is one of several passages in which a nonsense word (in this case "cag") is substituted for a real word. The real word must be inferred from the way the nonsense word is used in context. On this exercise, 75% of 9-year-olds were able to infer that "cags" are hands.

Read the passage and complete the sentence on the next page.

Skiing has recently become one of the more popular sports in the United States. Because of its popularity, thousands of winter vacationers are flying north rather than south. In many areas, reservations are required months ahead of time.

I discovered the accommodation shortage through an unfortunate experience. On a sunny Saturday morning I set out from Denver for the beckoning slopes of Aspen, Colorado. After passing signs for other ski areas, I finally reached my destination. Naturally I lost no time in heading for the nearest tow. After a stimulating afternoon of miscalculated stem turns I was famished. Well, one thing led to another and it must have been eight o'clock before I concerned myself with a bed for my bruised and aching bones.

It took precisely one phone call to ascertain the lack of lodgings in the Aspen area. I had but one recourse. My auto and I started the treacherous jaunt over the pass and back towards Denver. Along the way, I went begging for a bed. Finally a jolly tavernkeeper took pity and for only thirty dollars a night allowed me the privilege of staying in a musty, dirty, bathless room above his tavern.

Nat'l %
Choosing
Each Answer

The author's problem would have been avoided if he had

- 23.0% ☐ not tired himself out skiing.
7.8% ☐ taken a bus instead of driving.
7.9% ☐ looked for food as soon as he arrived.
32.4% ☒ arranged for accommodations well ahead of his trip.
21.4% ☐ I don't know.
7.5% No response

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9 13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP DIFFERENTIAL	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
32.4	---	NATIONAL		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		REGION												
27.6	-4.8		Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
34.7	2.3		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
33.5	1.1		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
33.4	1.0		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SEX												
29.0	-4.4*		Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
36.5	4.1*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		COLOR												
20.5	-11.9*		Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
34.5	2.1*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		PARENTIAL EDUCATION												
31.5	-1.9		No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
23.7	-8.6*		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
30.2	-2.2		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
40.2	7.8*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SIZE-AND-TYPE OF COMMUNITY												
22.3	-10.1*		Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
25.9	-6.5*		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
31.6	-0.8		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
28.4	-4.0		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
44.1	11.7*		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
31.8	-0.6		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
44.3	11.9*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 711 -- Age 9

Overlaps: Age 13, 17 and Adult

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

This passage is indirectly concerned with the shortage of accommodations at ski areas, but more specifically, it is concerned with how the author became acquainted with this fact. In order to respond successfully to this exercise, the reader must infer that the author's problem would have been avoided if he had arranged for accommodations well ahead of his trip. Only 32% of 9-year-olds successfully made this inference. Twenty-three percent thought his problems would be avoided if he had not tired himself out skiing--indicating their failure to comprehend the author's real problem. Nearly as many simply said, "I don't know."

Exercise 713 -- Age 9

Read the passage and answer the question which follows it.

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copyright restrictions.*

Nat'l Choc Each	When did Helen Keller lose her sight and hearing?
25.3%	<input type="radio"/> 1880
39.8%	<input checked="" type="radio"/> 1882
28.8%	<input type="radio"/> 1886
1.8%	<input type="radio"/> 1890
1.7%	<input type="radio"/> 1900
2.1%	<input type="radio"/> I don't know.
0.5%	No response

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9 13

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% of SUCCESS	GROUP DIFFCT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
39.9	---	NATIONAL		*****										
		REGION												
32.6	-7.2*		Southeast	*****										
39.8	-1.0		West	*****										
41.5	1.7		Central	*****										
45.4	5.6		Northeast	*****										
		SEX												
37.2	-2.7		Male	*****										
42.3	2.5		Female	*****										
		COLOR												
15.5	-24.4*		Black	*****										
44.1	4.3*		White	*****										
		PARENTAL EDUCATION												
21.8	-18.0*		No High School	*****										
35.3	-4.5		Some High School	*****										
42.4	2.6		Graduated High Sch.	*****										
51.3	11.5*		Post High School	*****										
		SIZE-AND-TYPE OF COMMUNITY												
24.9	-14.9*		Extreme Inner City	*****										
36.1	-3.7		Extreme Rural	*****										
38.7	-1.1		Small City	*****										
32.3	-7.5*		Medium City	*****										
48.3	8.4		Rest Of Big City	*****										
41.4	1.6		Suburban Fringe	*****										
59.2	19.4*		Extreme Aff Suburb	*****										

Exercise 713 -- Age 9

Overlaps: Age 13

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

From the facts given in this passage about Helen Keller, 9-year-olds were asked to give the year when she lost her sight and hearing. Since the exact year is not stated, they had to infer "1882" from the facts: "Helen Keller was born in 1880" and "When she was two years old, she lost her sight and hearing." Only 40% of them succeeded in making the correct inference. Most of those who failed to give the correct answer gave one of the two years mentioned in the story: 25% gave 1880, the year of her birth; 29% gave 1886, the year in which she became the pupil of Anne Sullivan.

Exercise 714 -- Age 9

Read the story and answer the question which follows it.

The wind pushed the boat farther and farther out to sea. It started to rain and the fog grew thick. The boy and his father were lost at sea.

Nat'l %
Choosing At least how many people were in the boat?
Each Answer

- 2.7% ☐ One
86.0% ☒ Two
3.4% ☐ Three
1.4% ☐ Four
1.3% ☐ Five
3.9% ☐ I don't know.
1.4% No response

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9

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
96.0	---	NATIONAL		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		REGION												
78.1	-7.9*		Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
86.4	0.4		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
88.3	2.3		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
89.8	3.9*		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SEX												
83.6	-2.3*		Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
88.4	2.4*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		COLOR												
67.9	-18.1*		Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
89.1	3.3*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		PARENTAL EDUCATION												
73.8	-12.1*		No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
81.8	-4.2		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
91.2	5.2*		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
93.5	7.5*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SIZE-AND-TYPE OF COMMUNITY												
65.7	-20.3*		Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
76.3	-9.7*		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
85.2	-0.7		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
86.7	0.7		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
89.5	3.6		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
92.4	6.4*		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
95.1	9.1*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 714 -- Age 9

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

In this story, the only people mentioned are "the boy" and "his father," but presumably others could have been present. Eighty-six percent of 9-year-olds correctly inferred that at least two people were in the boat. However, 3% said one person and 6% gave a larger number.

Exercise 718 -- Age 9

Read the story and answer the question which follows it.

Sammy got to school ten minutes after the school bell had rung. He was breathing hard and had a black eye. His face was dirty and scratched. One leg of his pants was torn.

Tommy was late to school, too; however, he was only five minutes late. Like Sammy, he was breathing hard, but he was happy and smiling.

Sammy and Tommy had been fighting.

Nat'l % Choosing Each Answer	Who probably won?
21.0%	<input type="radio"/> Sammy
62.6%	<input checked="" type="radio"/> Tommy
14.7%	<input type="radio"/> Cannot tell from the story
1.6%	<input type="radio"/> I don't know.
0.2%	No response

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9 13

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP DIFFERENTIAL	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
62.6	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
59.1	-3.6	REGION	Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
61.4	0.8		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
65.9	3.3		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
61.3	-1.4		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
61.7	-0.9	SEX	Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
61.6	0.9		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
54.7	-8.0*	COLOR	Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
61.9	1.2*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
59.7	-3.9	PARENTAL EDUCATION	No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
54.9	-7.8		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
63.0	0.4		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
69.0	6.4*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
51.2	-11.4	SIZE-AND-TYPE OF COMMUNITY	Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
59.8	-2.8		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
61.2	-1.4		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
63.4	0.8		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
62.6	-0.0		Rest of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
68.5	5.8*		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
66.2	3.6		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 718 -- Age 9

Overlaps: Age 13

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

This story tells about two boys who had been fighting. From events given in the story, 63% of 9-year-olds were able to infer that Tommy had probably won the fight. The 21% who said Sammy had probably won and the 15% who said they could not tell from the story seemed unable to comprehend the significance of the facts presented and their interrelationships.

Exercise 721 -- Age 9

Read the story and answer the question which follows it.

Christmas was only a few days away. The wind was strong and cold. The walks were covered with snow. The downtown streets were crowded with people. Their faces were hidden by many packages as they went in one store after another. They all tried to move faster as they looked at the clock.

Nat'l %
Choosing What were the people in the story probably wearing?
Each Answer

- 3.3% ☐ Skates and skis
84.2% ☒ Coats and boots
2.1% ☐ Shorts and sneakers
1.8% ☐ Raincoats and umbrellas
0.9% ☐ Bathing suits and sandals
6.4% ☐ I don't know.
1.4% No response

N07 02 3/1 02*X721014 R0004010

9

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP PERCENT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
84.2	---	NATIONAL		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
75.3	-8.9*	REGION	Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
80.8	-3.3*		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
89.0	4.8*		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
93.9	4.7*		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
80.7	-3.5*	SEX	Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
87.5	3.5*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
63.3	-20.9*	COLOR	Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
87.6	3.4*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
80.6	-3.5	PARENTAL EDUCATION	No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
79.9	-4.3		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
88.7	0.5		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
92.2	8.0*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
69.5	-14.6*	SIZE-AND-TYPE OF COMMUNITY	Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
82.5	-1.6		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
84.1	-0.1		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
79.9	-4.3		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
86.5	2.3		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
87.3	3.1		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
92.0	7.8*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 721 -- Age 9

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

This little story describes some "last-minute" pre-Christmas shopping activities. From facts given in the story, 84% of 9-year-olds were able to infer that the people in the story were probably wearing coats and boots. The same story appears again in Exercises 726 and 732.

Exercise 722 -- Age 9

This is like a game to see if you can tell what the nonsense word in the paragraph stands for. The nonsense word is just a silly word for something that you know very well. Read the paragraph and see if you can tell what the underlined nonsense word stands for.

You can wash your face and hands in zup. You can even take a bath in it. When people swim, they are in the zup. Everyone drinks zup.

Nat'l %
Choosing
Each Answer Zup is probably

- 2.5% ☐ milk.
3.2% ☐ pop.
9.1% ☐ soap.
83.1% ☒ water.
1.5% ☐ I don't know.
0.7% No response

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9 13

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
83.1	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
		REGION		*****										
74.5	-8.6*		Southeast	*****										
81.4	-1.7		West	*****										
86.3	3.2		Central	*****										
87.8	4.7*		Northeast	*****										
		SEX		*****										
81.4	-1.7*		Male	*****										
84.7	1.6*		Female	*****										
		COLOR		*****										
64.1	-19.0*		Black	*****										
96.2	3.1*		White	*****										
		PARENTAL EDUCATION		*****										
71.5	-11.6*		No High School	*****										
77.9	-5.2		Some High School	*****										
81.2	-1.9		Graduated High Sch.	*****										
99.7	7.5*		Post High School	*****										
		SIZE-AND-TYPE OF COMMUNITY		*****										
72.4	-10.7*		Extreme Inner City	*****										
77.9	-5.2		Extreme Rural	*****										
80.3	-2.8		Small city	*****										
82.4	-0.7		Medium city	*****										
87.1	4.0		Rest Of Big city	*****										
87.3	4.2		Suburban Fringe	*****										
91.3	8.1*		Extreme Aff Suburb	*****										

Exercise 722 -- Age 9

Overlaps: Age 13

Objective I: Comprehend what is read.

Subobjective A: Read individual words.

Here is another passage in which a nonsense word (in this case "zup") is substituted for a real word. On this exercise, 83% of 9-year-olds were able to infer that "zup" is water. The 9% who said soap apparently did not read beyond the first two sentences.

Exercise 724 -- Age 9

Read the story and answer the question which follows it.

One day Amos the Ant took his lunch to the park. He sat down under a tree and started to eat. Then some children came over. Amos gave them each a sandwich. It was a fine day for a picnic.

Nat'l %
Choosing
Each Answer How do you know this story is make-believe?

- 4.7% ☐ Ants don't eat.
5.1% ☐ Ants aren't in parks.
4.9% ☐ Ants eat lunch at home.
75.2% ☒ Ants don't give people food.
4.6% ☐ Children are afraid of ants.
4.7% ☐ I don't know.
0.8% No response

VO7 14 3/1 04*x724015 R0000510

9

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP PERCENT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
75.2	---	NATIONAL		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		REGION												
63.5	-11.7*		Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
71.8	-3.4		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
92.1	6.9*		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
79.9	4.7*		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SEX												
71.8	-3.5*		Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78.7	3.4*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		COLOR												
59.5	-24.8*		Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
79.7	4.4*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		PARENTAL EDUCATION												
66.5	-8.7		No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
67.7	-7.5		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
74.2	-1.0		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
84.6	9.4*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SIZE-AND-TYPE OF COMMUNITY												
58.1	-17.1*		Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
69.8	-5.5		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
72.3	-3.0		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
73.5	-1.7		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
81.4	6.2*		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
81.1	5.9*		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
84.5	9.3*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 724 -- Age 9

Objective V: Make judgments concerning what is read.

Subobjective A: Relate what is read to things other than the specific material being used.

This story is a turnabout on the familiar theme of picnics invaded by ants: Amos the Ant goes on a picnic; the children come; Amos gives them each a sandwich. Seventy-five percent of 9-year-olds were able to infer that the story is make-believe because ants do not give food to people.

Exercise 726 -- Age 9

Read the story and answer the question which follows it.

Christmas was only a few days away. The wind was strong and cold. The walks were covered with snow. The downtown streets were crowded with people. Their faces were hidden by many packages as they went in one store after another. They all tried to move faster as they looked at the clock.

Nat'l %
Choosing What were most of the people probably doing?
Each Answer

- 9.8% ☐ Window-shopping
5.6% ☐ Waiting for a bus
66.9% ☒ Last-minute shopping
5.7% ☐ Looking at decorations
6.8% ☐ Talking to Santa Claus
5.0% ☐ I don't know.
0.3% No response

N08 05 3/1 03*X72601a R0004010

9

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
66.9	---	NATIONAL		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		REGION												
53.5	-13.4*		Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
68.6	1.8		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
69.2	2.3		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
72.7	5.8*		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SEX												
66.0	-0.9		Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
67.8	0.9		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		COLOR												
35.0	-31.9*		Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
71.9	5.0*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		PARENTAL EDUCATION												
51.2	-15.7*		No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
57.8	-9.1		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
71.1	4.2*		Graduated High Sch..	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78.9	12.0*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SIZE-AND-TYPE OF COMMUNITY												
37.0	-29.9*		Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
59.3	-7.5		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
69.1	2.2		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
62.5	-4.4		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
71.4	4.5		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
79.3	3.4		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
80.3	13.4*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 726 -- Age 9

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

This is the same story that appeared in Exercises 721 and 732. From the facts given in this story, 67% of 9-year-olds were able to infer that the people in the story were probably doing last-minute shopping.

Read the story and answer the question on the next page.

*Deleted because
of copyright restrictions*

Nat'l %
Choosing
Each AnswerIn order to find out about an object which
interested him, what would a Frangible MOST
likely do?

- 11.8% ☐ Take it apart
17.3% ☒ Enter into it
19.4% ☐ Study it scientifically
11.0% ☐ Ask earth scientists about it
15.9% ☐ Wait to see if it would change color
19.8% ☐ I don't know.
4.9% No response

*Space Trip, Martha S. Clapp. Reprinted by permission of Martha S. Clapp.

W09 02 3/1 02*X729014 R3904010

9 13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
17.3	---	NATIONAL		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		REGION												
17.0	-0.3		Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
15.9	-0.3		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
16.9	-0.3		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
18.7	0.9		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SEX												
17.2	-0.1		Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
17.3	0.1		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		COLOR												
10.3	-6.9*		Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
18.9	1.7*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		PARENTAL EDUCATION												
9.1	-9.2*		No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
13.9	-3.3		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
14.6	-2.6*		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
24.2	6.9*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SIZE-AND-TYPE OF COMMUNITY												
7.4	-9.9*		Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
7.9	-9.3*		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
17.4	0.1		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
21.2	3.9		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
17.0	-0.3		Rest of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
16.7	-0.6		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
26.8	9.5*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 729 -- Age 9

Overlaps: Age 13 and 17

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

This story relates the characteristics of Frangibles--inhabitants of the planet Xeno. From these characteristics, only 17% of 9-year-olds were able to infer that Frangibles would enter into an object to find out about it. From the percentages of responses given to the incorrect answers, it is probable that most 9-year-olds guessed, their being unable to make the correct inference.

Exercise 730 -- Age 9

This is like a game to see if you can tell what the nonsense word in the paragraph stands for. The nonsense word is just a silly word for something that you know very well. Read the paragraph and see if you can tell what the underlined nonsense word stands for.

Have you ever smelled a mart? They smell very good. Bees like marts. They come in many colors. Marts grow in the earth and they usually bloom in the spring.

Nat'l %
Choosing Marts are probably
Each Answer

- 6.4% ☐ bugs.
82.7% ☒ flowers.
5.5% ☐ perfume.
2.0% ☐ pies.
2.7% ☐ I don't know.
0.6% ☐ No response

N09 10 3/1 02*X730011 R1000010

9 13

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP PERCENT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
92.7	---	NATIONAL		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78.1	-4.6	REGION	Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
84.5	1.8		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
86.7	4.0*		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
80.7	-2.0		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78.6	-4.1*	SEX	Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
96.7	4.0*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
66.5	-16.3*	COLOR	Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
96.1	3.4*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
81.2	-4.5	PARENTAL EDUCATION	No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
74.9	-7.8		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
87.6	4.9*		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
87.4	4.6*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
61.9	-20.8*	SIZE AND TYPE OF COMMUNITY	Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
85.2	2.5		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
81.0	-1.7		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
83.9	1.2		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
83.1	0.4		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
90.1	7.4*		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
91.6	8.9*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 730 -- Age 9

Overlaps: Age 13

Objective I: Comprehend what is read.

Subobjective A: Read individual words.

Here's another one of those little stories in which a nonsense word is substituted for a real word. On this exercise, 83% of 9-year-olds were able to infer that "marts" are flowers.

Exercise 731 -- Age 9

Read the story and answer the question which follows it.

Silky was not like most spiders. He didn't like to eat flies. He just liked to play with them. He especially liked to play tag. Whenever he would catch a fly, he would say, "You're 'it'," and then run away. The trouble was that the flies were so scared they wouldn't chase Silky. They just flew away.

Nat'l %
Choosing
Each Answer

- Which one of these sentences tells BEST how Silky felt about flies?
- 3.8% ☐ Silky thought flies were dirty.
 - 6.7% ☐ Silky thought flies were terrible.
 - 77.7% ☒ Silky thought flies were good playmates.
 - 6.4% ☐ Silky thought flies were very good to eat.
 - 4.4% ☐ I don't know.
 - 0.9% No response

409 13 3/1 03*X731014 R0004010

9

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
77.7	---	NATIONAL		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		REGION												
71.4	-6.0*		Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
77.9	0.2		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
81.9	4.2*		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78.2	0.5		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SEX												
73.7	-4.1*		Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
81.7	4.0*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		COLOR												
62.4	-15.3*		Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
80.9	3.2*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		PARENTAL EDUCATION												
66.0	-11.8*		No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
79.7	1.0		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
80.3	2.6		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
84.7	6.9*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SIZE-AND-TYPE OF COMMUNITY												
62.7	-15.0*		Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
75.4	-2.4		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
76.3	-1.5		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
79.3	1.6		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
71.7	-6.0		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
87.0	9.3*		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
86.3	8.6*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 731 -- Age 9

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

Here's another story about Silky the Spider. This time we find out that Silky would rather play with flies than eat them. From the facts given in the story, 78% of 9-year-olds were able to infer that Silky thought flies were good playmates.

Exercise 732 -- Age 9

Read the story and answer the question which follows it.

Christmas was only a few days away. The wind was strong and cold. The sidewalks were covered with snow. The downtown streets were crowded with people. Their faces were hidden by many packages as they went in one store after another. They all tried to move faster as they looked at the clock.

Nat'l %
Choosing
Each Answer

When did the story probably happen?

- 3.8% ☐ November 28
4.2% ☐ December 1
60.4% ☒ December 21
24.2% ☐ December 25
4.5% ☐ December 28

2.3% ☐ I don't know.
0.7% No response

409 15 3/1 03*X732014 R0904010

9 13

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE-----GROUP	PERCENTAGE OF SUCCESS										
			0	10	20	30	40	50	60	70	80	90	100
60.4	---	NATIONAL	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
53.2	-7.2	REGION	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
62.3	1.9	Southeast	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
61.9	1.4	West	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
61.7	3.3	Central	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Northeast	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
57.1	-3.3*	SEX	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
63.6	3.2*	Male	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Female	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
38.2	-22.2*	COLOR	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
65.0	4.6*	Black	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		White	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
46.3	-14.1*	PARENTAL EDUCATION	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
54.9	-5.5	No High School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
62.8	2.4	Some High School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
79.6	10.2*	Graduated High Sch.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Post High School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
34.4	-26.0*	SIZE-AND-TYPE OF COMMUNITY	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
61.7	1.3	Extreme Inner City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
55.7	-4.8*	Extreme Rural	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
60.5	0.0	Small City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
65.0	4.6	Medium City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
74.8	14.4*	Rest Of Big City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
72.4	12.0*	Suburban Fringe	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Extreme Aff Suburb	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Exercise 732 -- Age 9

Overlaps: Age 13

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

Here again is the story that appeared in Exercises 721 and 726. It would seem that this exercise should have been the easiest of the three using this passage. One need only read the first sentence to infer that, of the dates given as possible answers, December 21 best fits "Christmas was only a few days away." Only 60% of 9-year-olds made this inference while 24% said December 25.

CHAPTER 4

RESULTS FOR AGE 13

The 13-year-olds participating in the 1970-71 Reading assessment were born during the calendar year 1957. About three fourths of them were enrolled in the eighth grade at the time of the assessment, and most of the remainder were enrolled in the seventh grade.

First, we describe each group's overall behavior on the Theme 7 exercises, then we indicate those exercises on which the group's performance differs atypically from the group's median level. Finally, we present each released exercise and an exhibit showing the results for each group on that exercise.

Forty-five specific effects (behaviors) on drawing inferences are summarized at age 13. Twenty-five of these represent released exercises and are described in detail. The other 20 behaviors represent unreleased exercises to be used in future assessments. Exhibit 4-1 shows the distribution of the 45 effects representing Theme 7 for each group relative to the national level indicated by the \emptyset line. A group's median level is indicated by an arrow (+). Each specific behavior is indicated by a box with an X (☒) unless it differs atypically from the group's median level; then it is represented by an open box (☐).

When a group's overall behavior has been described as tending to be above (+) or tending to be below (-), or as characteristically above (++) or characteristically below (--) the national level, a specific behavior for that group can be: (1) atypically farther from the national level than is the group's median level or (2) atypically closer to¹ the national level.

When a group's overall behavior has been described as tending to be about the same as the national level (0), a specific behavior

¹An atypical effect (or behavior) described as being closer to the national level may be (1) less extreme in the same direction as a group's tendency or characteristic, or (2) it may occur in the opposite direction from the national level as the group's median level.

EXHIBIT 4-1A Distribution of Effects for Age 13

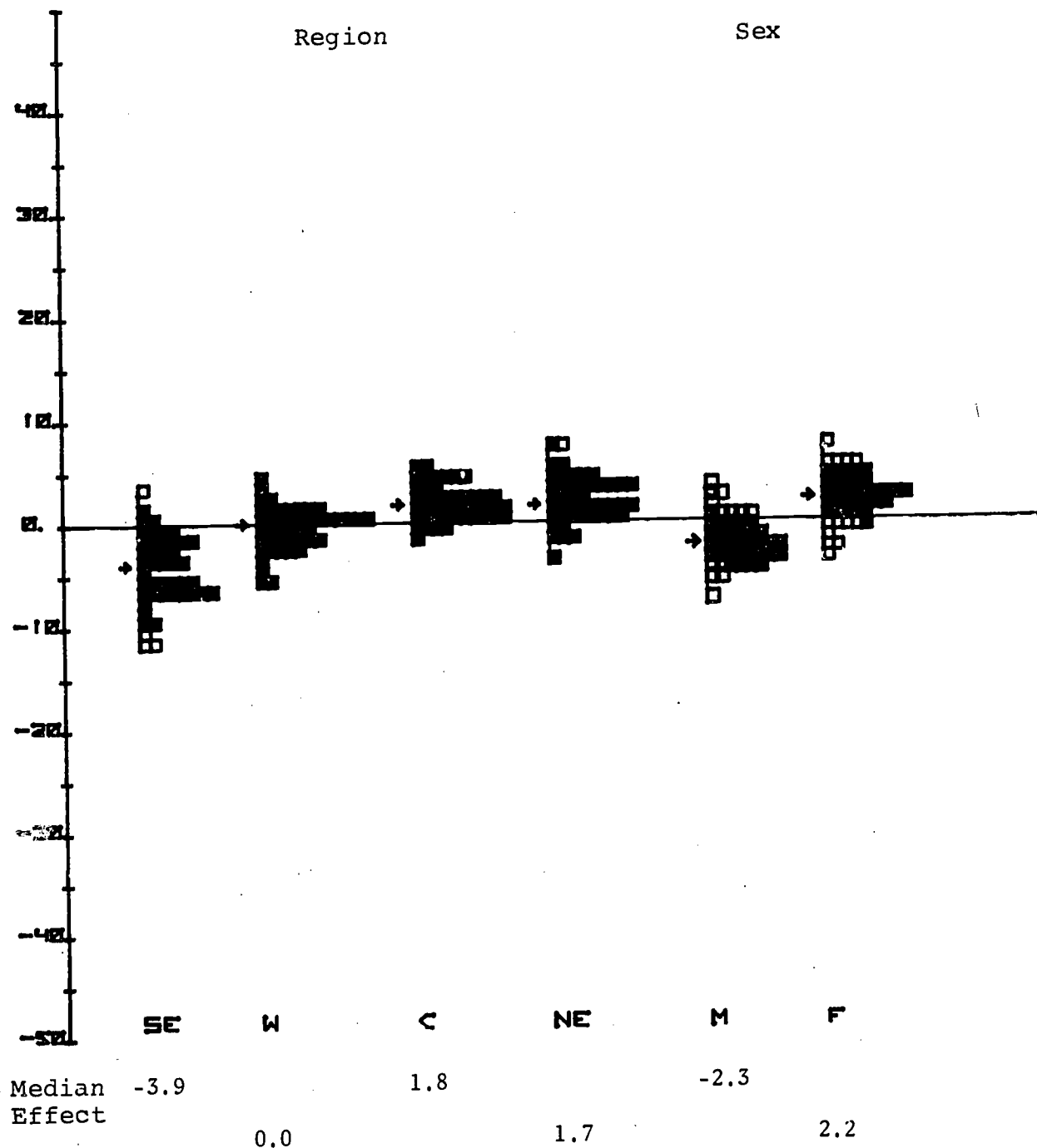


EXHIBIT 4-1B

Distribution of Effects for Age 13

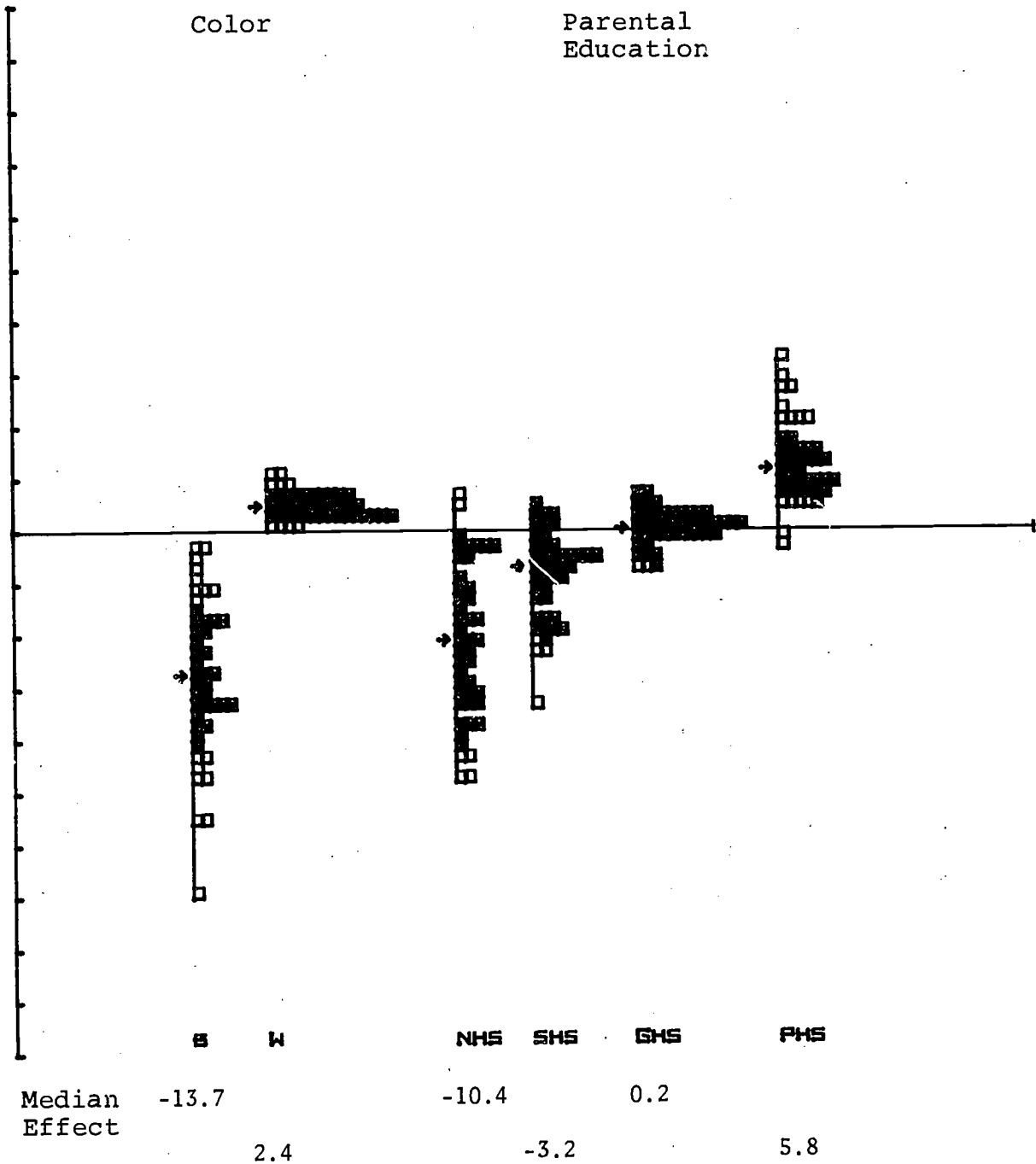
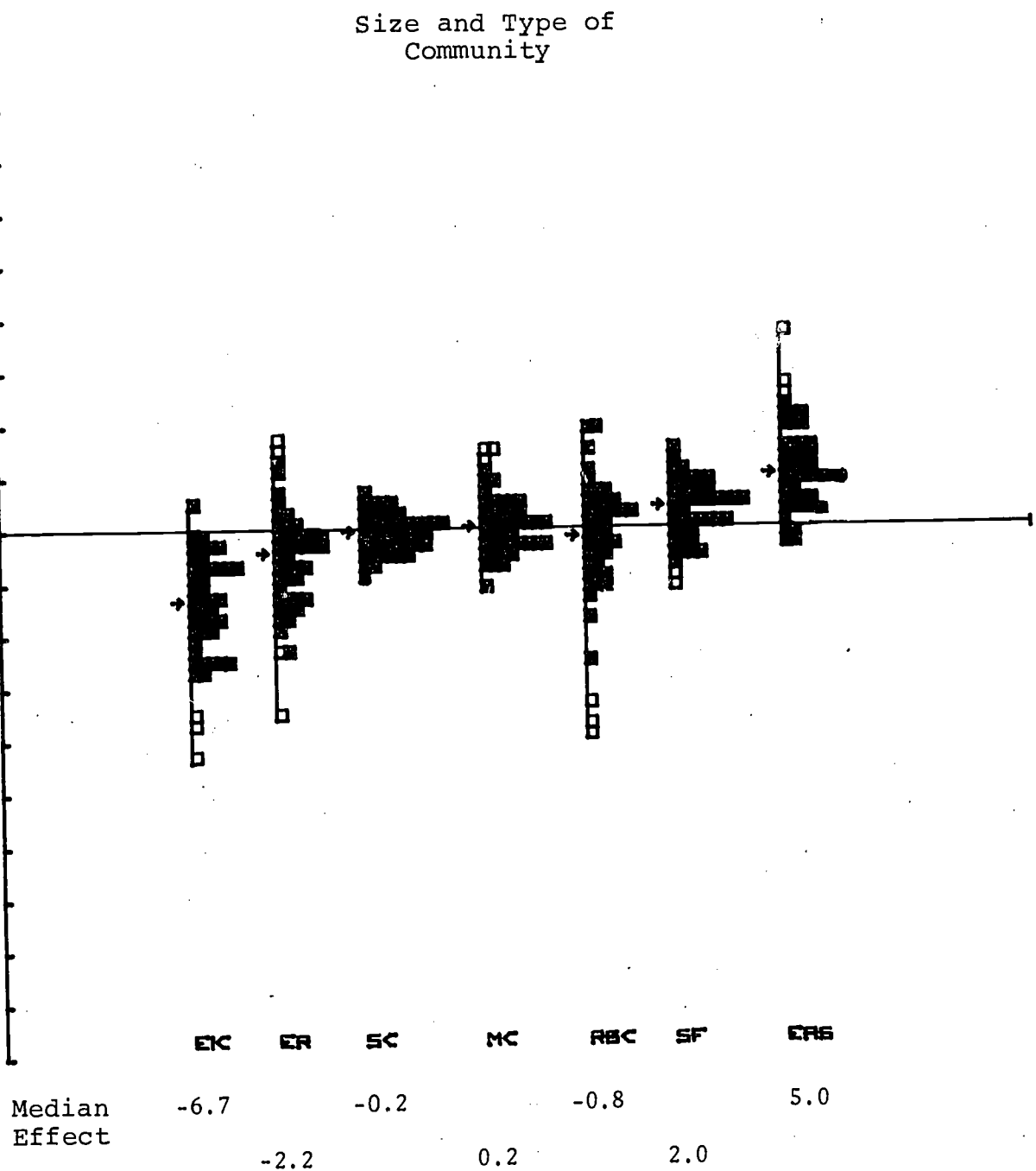


EXHIBIT 4-1C

Distribution of Effects for Age 13

Size and Type of
Community



for that group can be atypically high or low relative to the group's median level.

Region

With a median effect of -3.9, Southeastern 13-year-olds had an overall behavior characteristically below the national level. However, they performed atypically closer to the national level on Exercise R747 that required inferring that "deaf heaven" in a sonnet refers to a God who does not hear. Their behavior was atypically farther from the national level on three exercises: U723 required inferring how a spider made use of his many legs; U74103 required inferring the salary in a job ad; and R742 required inferring that the Persian Gulf has many inedible oysters that produce pearls.

With a median effect of 0.0, Western 13-year-olds had an overall behavior tending to be about the same as the national level. They had no atypical behaviors.

The Central and Northeastern 13-year-olds had median effects of 1.8 and 1.7, respectively. The overall behavior of both groups tended to be above the national level. While the Central group had no atypical behaviors, the Northeastern group performed atypically farther from the national level on Exercise R75201 that required inferring that the "abyss" along which suburbanites walk is financial disaster.

Sex

While boys had a median effect of -2.3 and an overall behavior characteristically below the national level, girls had a median effect of 2.2 and an overall behavior characteristically above the national level. The behavior of both groups, however, was atypically closer to the national level on eight exercises: U736 required inferring why two heights of a mountain are given; U73701 required inferring the state of the arts before 1940; U73702 required inferring that the arts are the privilege of the aristocratic few; R750 required inferring from a space story that Earthmen were not the only ones to travel in space; R75501 required inferring that geographic factors were the reason for the self-containment of Nayon; R75502 required inferring that by 1948, Nayon had become a small, dependent portion of a larger unit; R75503 required inferring that Nayon was originally isolated because of deep gorges and rocky trails; and R756 required inferring that suburbanites' fiscal behavior is explained by "In self-entrapment is security."

Both groups performed atypically farther from the national level on five exercises: R733 required inferring that few people are searching for truth; U734 required inferring that a boy thinks tall people are smart; U749 required inferring what was described in a riddle; U751 required inferring the author's point of view; and R75202 required inferring that carefully charted debt makes suburbanites feel secure.

Color

While Black 13-year-olds had a median effect of -13.8 and an overall behavior characteristically below the national level, White 13-year-olds had a median effect of 2.4 and an overall behavior characteristically above the national level. The behavior of both groups was atypically closer to the national level on four exercises: U740 required inferring the time of discovery of the Martian polar caps; U743 required inferring that the people in an auto wreck were dead; R75502 required inferring that by 1948 Naylor had become a small, dependent portion of a larger unit; and R756 required inferring that suburbanite behavior is explained by "In self-entrapment is security." Blacks also performed atypically closer to the national level on five other exercises: U719 required defining a nonsense word from context; R730 required inferring from context that marts are flowers; U73703 required inferring the effects of mass production on art; R750 required inferring from a space story that Earthmen were not the only ones to travel in space; and U751 required inferring the author's point of view.

The behavior of both groups was atypically farther from the national level on four exercises: R711 required inferring that the author of a ski story should have arranged for accommodations; U736 required inferring the reason two heights of a mountain are given; R73801 required inferring that a change in one environmental factor can cause changes in others; and R742 required inferring that the Persian Gulf has many inedible oysters that produce pearls. Blacks also performed atypically farther from the national level on four other exercises: R713 required inferring that Helen Keller lost her sight and hearing in 1882; U723 required inferring how a spider made use of his many legs; R729 required inferring that a Frangible would enter into an object to find out about it; and R73802 required inferring that all living things are dependent on other living things. Whites also performed atypically farther from the national level on Exercise R748 that required inferring that Gregory Gotrocks went to Mt. Everest so he could entertain his friends at home.

Parental Education²

The no high school group had a median effect of -10.4 and an overall behavior characteristically below the national level. However, their behavior was atypically closer to the national level on Exercise R75502 that required inferring that by 1948 Nasyon was a small, dependent portion of a larger unit, and on Exercise R756 that required inferring that suburbanite behavior is explained by "In self-entrapment is security." Their behavior was atypically farther from the national level on four exercises: R73802 required inferring that all living things are dependent on other living things; U74101 required inferring the exact times referred to in an ad; R742 required inferring that the Persian Gulf has many inedible oysters that produce pearls; and R748 required inferring that Gregory Gotrocks went to see Mt. Everest so he could entertain his friends.

With a median effect of -3.2, the some high school group had an overall behavior that tended to be below the national level. They performed atypically farther from the national level on four exercises: R73801 required inferring that a change in one environmental factor can cause changes in others; R739 required inferring that a story could not be accurate because of conflicting ages; U74101 required inferring the exact times referred to in an ad; and U745 required inferring what a bird in a comic strip would say if threatened.

With a median effect of 0.2, the graduated from high school group had an overall behavior that tended to be about the same as the national level. However, they performed atypically low on Exercise U740 that required inferring the time of discovery of the Martian polar caps and on Exercise U743 that required inferring that the people in an auto wreck are dead.

The post high school group had a median effect of 5.8 and an overall behavior characteristically above the national level. However, their behavior was atypically closer to the national level on six exercises: U705 required inferring "who had a difficult responsibility" in a story about the Constitution; U719 required defining a nonsense word from context; R722 required inferring from context that zup is water; R730 required inferring from context that marts are flowers; R75502 required inferring that by 1948 Nasyon had become a small, dependent portion of a larger unit; and R756 required inferring that suburbanite behavior

²See *Report 02-GIY, Reading & Literature: General Information Yearbook* (Washington, DC: Government Printing Office, 1972) p. 15 for definitions of the parental education groups.

is explained by "In self-entrapment is security." They performed atypically farther from the national level on nine exercises: R711 required inferring that the author of a ski story should have arranged for accommodations; R729 required inferring that a Frangible would enter into an object to find out about it; U736 required inferring the reason two heights are given for a mountain; R73801 required inferring that a change in one environmental factor can cause changes in others; R73802 required inferring that all living things are dependent on other living things; R739 required inferring that a story could not be accurate because of conflicting ages; R742 required inferring that the Persian Gulf has many inedible oysters that produce pearls; R746 required inferring that both Art and Bert cannot be right; and R75201 required inferring that carefully charted debt makes suburbanites feel secure.

Size and Type of Community³

The extreme inner city group had a median effect of -6.7 and an overall behavior characteristically below the national level. They performed atypically farther from the national level on three exercises: R711 required inferring that the author of a ski story should have arranged for accommodations; R729 required inferring that a Frangible would enter into an object to find out about it; and R742 required inferring that the Persian Gulf has many inedible oysters that produce pearls.

With a median effect of -2.2, the extreme rural group had an overall behavior tending to be below the national level. Their behavior was atypically closer to the national level on Exercise R733 that required inferring that few people are searching for truth and on Exercise R75501 that required inferring that the reason for the self-containment of Naylor before 1910 was geographical. They performed atypically farther from the national level on Exercise U723 that required inferring how a spider made use of his many legs and on Exercise R742 that required inferring that the Persian Gulf has many inedible oysters that produce pearls.

The small city, medium city, rest of big city and suburban fringe groups had median effects of -0.2, 0.2, -0.8 and 2.0, respectively. The overall behavior of these groups tended to be about the same as the national level. The small city group had no atypical behaviors. The medium city group performed atypically

³See Report 02-GIY, *Reading & Literature: General Information Yearbook* (Washington, DC: Government Printing Office, 1972) p. 16 for definitions of the size and type of community groups.

high on three exercises: U723 required inferring how a spider made use of his many legs; R742 required inferring that the Persian Gulf has many inedible oysters that produce pearls; and R75201 required inferring that the "abyss" suburbanites walk along is financial disaster. The rest of big city group performed atypically low on three exercises: R713 required inferring that Helen Keller lost her sight and hearing in 1882; R729 required inferring that a Frangible would enter into an object to find out about it; and R735 required inferring that "fine, neglected novel" means the author has not received proper recognition. The suburban fringe group performed atypically low on Exercise R733 that required inferring that few people are searching for truth and on Exercise R75501 that required inferring the reason for the self-containment of Naylor before 1910 was geographical.

The extreme affluent suburb group had a median effect of 5.0 and an overall behavior characteristically above the national level. Their behavior was atypically farther from the national level on three exercises: R73802 required inferring that all living things are dependent on other living things; R742 required inferring that the Persian Gulf has many inedible oysters that produce pearls; and R75202 required inferring that carefully charted debt makes suburbanites feel secure.

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The data for each released exercise that represents drawing inferences are presented in the following manner. The upper part of the first page shows the exercise number and age level. Then the exercise is shown as it appeared to the respondent except that the correct answer is indicated. The percentage of 13-year-olds choosing each answer is also shown.

The exhibit on the lower part of the page shows the national percentage of success and the percentage of success for each group both tabularly (leftmost column of figures) and graphically (horizontal bars). The second column of figures on the left side of the exhibit shows the effects for all groups with asterisks (*) indicating those that are reliably different from the national percentage of success. The effects can also be seen graphically. Note the vertical dashed line descending from the end of the national percentage bar. This allows a visual comparison of each group percentage of success with the national percentage of success.

The last page again gives the exercise number and age level. It also gives the objective and major subobjective for which the exercise was written and a brief description of the exercise with unusual or interesting responses pointed out when appropriate.

Exercise 711 -- Age 13

Read the passage and complete the sentence which follows it.

Skiing has recently become one of the more popular sports in the United States. Because of its popularity, thousands of winter vacationers are flying north rather than south. In many areas, reservations are required months ahead of time.

I discovered the accommodation shortage through an unfortunate experience. On a sunny Saturday morning I set out from Denver for the beckoning slopes of Aspen, Colorado. After passing signs for other ski areas, I finally reached my destination. Naturally I lost no time in heading for the nearest tow. After a stimulating afternoon of miscalculated stem turns I was famished. Well, one thing led to another and it must have been eight o'clock before I concerned myself with a bed for my bruised and aching bones.

It took precisely one phone call to ascertain the lack of lodgings in the Aspen area. I had but one recourse. My auto and I started the treacherous jaunt over the pass and back towards Denver. Along the way, I went begging for a bed. Finally a jolly tavernkeeper took pity and for only thirty dollars a night allowed me the privilege of staying in a musty, dirty, bathless room above his tavern.

Nat'l % Choosing Each Answer The author's problem would have been avoided if he had

- 10.1% ☐ not tired himself out skiing.
 4.4% ☐ taken a bus instead of driving.
 2.9% ☐ looked for food as soon as he arrived.
 77.4% ☒ arranged for accommodations well ahead of his trip.
 4.0% ☐ I don't know.
 1.2% No response

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NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP PERCENT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
77.4	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
		REGION		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
68.6	-8.7*		Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
87.7	2.6		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
79.4	1.0		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
91.9	4.5*		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SEX		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
72.8	-4.6*		Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
81.7	4.3*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		COLOR		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
53.9	-23.5*		Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
81.9	4.5*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		PARENTAL EDUCATION		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
65.6	-11.8*		No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
70.5	-6.9*		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
77.6	2.2*		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
87.7	10.3*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SIZE-AND-TYPE OF COMMUNITY		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
59.9	-17.5*		Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
71.2	-6.2		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
76.6	-0.8		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
76.2	-1.2		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
82.5	5.1		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
77.9	2.6		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
96.5	9.1*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 711 -- Age 13

Overlaps: Age 9, 17, and Adult

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

This passage is indirectly concerned with the shortage of accommodations at ski areas, but more specifically, it is concerned with how the author became acquainted with this fact. Seventy-seven percent of 13-year-olds were able to infer that the author's problem would have been avoided if he had arranged for accommodations well ahead of his trip.

Exercise 713 -- Age 13

Read the passage and answer the question which follows it

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copyright restrictions*

- Nat'l %
Choosing Each Answer
- When did Helen Keller lose her sight and hearing?
- 6.3% ☐ 1880
 - 84.1% ☒ 1882
 - 8.1% ☐ 1886
 - 0.5% ☐ 1890
 - 0.2% ☐ 1900
 - 0.6% ☐ I don't know.
 - 0.3% No response

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9 13

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
84.1	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
		REGION												
77.9	-6.2*		Southeast	+	+	+	+	+	+	+	+	+	+	+
84.2	0.1		West	+	+	+	+	+	+	+	+	+	+	+
89.2	5.1*		Central	+	+	+	+	+	+	+	+	+	+	+
94.5	0.4		Northeast	+	+	+	+	+	+	+	+	+	+	+
		SEX												
80.6	-3.5*		Male	+	+	+	+	+	+	+	+	+	+	+
87.8	3.7*		Female	+	+	+	+	+	+	+	+	+	+	+
		COLOR												
62.5	-21.6*		Black	+	+	+	+	+	+	+	+	+	+	+
87.7	3.6*		White	+	+	+	+	+	+	+	+	+	+	+
		PARENTAL EDUCATION												
73.9	-10.2*		No High School	+	+	+	+	+	+	+	+	+	+	+
84.6	0.5		Some High School	+	+	+	+	+	+	+	+	+	+	+
83.7	-0.4		Graduated High Sch.	+	+	+	+	+	+	+	+	+	+	+
91.6	7.5*		Post High School	+	+	+	+	+	+	+	+	+	+	+
		SIZE-AND-TYPE OF COMMUNITY												
71.6	-12.6*		Extreme Inner City	+	+	+	+	+	+	+	+	+	+	+
86.9	2.8		Extreme Rural	+	+	+	+	+	+	+	+	+	+	+
86.1	2.0		Small City	+	+	+	+	+	+	+	+	+	+	+
80.7	-3.4		Medium City	+	+	+	+	+	+	+	+	+	+	+
67.9	-16.2*		Rest Of Big City	+	+	+	+	+	+	+	+	+	+	+
88.5	4.3		Suburban Fringe	+	+	+	+	+	+	+	+	+	+	+
89.1	5.0*		Extreme Aff Suburb	+	+	+	+	+	+	+	+	+	+	+

Exercise 713 -- Age 13

Overlaps: Age 9

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

From the facts given in this passage about Helen Keller, 13-year-olds were asked to give the year when she lost her sight and hearing. Eighty-four percent of them were able to infer 1882 from the facts: "Helen Keller was born in 1880" and "When she was two years old, she lost her sight and hearing." Most of those who failed gave one of the two years mentioned in the story: 6% gave 1880, the year of her birth; 8% gave 1886, the year in which she became the pupil of Anne Sullivan.

Exercise 718 -- Age 13

Read the story and answer the question which follows it.

Sammy got to school ten minutes after the school bell had rung. He was breathing hard and had a black eye. His face was dirty and scratched. One leg of his pants was torn.

Tommy was late to school, too; however, he was only five minutes late. Like Sammy, he was breathing hard, but he was happy and smiling.

Sammy and Tommy had been fighting.

Nat'l %
Choosing Who probably won?
Each Answer

- 7.9% ☐ Sammy
85.5% ☒ Tommy
6.2% ☐ Cannot tell from the story.
0.4% ☐ I don't know.
0.1% No response

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9 13

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP DIFFER	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
85.4	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
84.5	-1.0	REGION		+	+	+	+	+	+	+	+	+	+	+
81.1	-2.1		Southeast	+	+	+	+	+	+	+	+	+	+	+
85.5	0.0		West	+	+	+	+	+	+	+	+	+	+	+
84.7	3.2		Central	+	+	+	+	+	+	+	+	+	+	+
			Northeast	+	+	+	+	+	+	+	+	+	+	+
45.1	-0.4	SEX		+	+	+	+	+	+	+	+	+	+	+
85.8	0.3		Male	+	+	+	+	+	+	+	+	+	+	+
			Female	+	+	+	+	+	+	+	+	+	+	+
76.3	-9.2	COLOR		+	+	+	+	+	+	+	+	+	+	+
87.1	1.6		Black	+	+	+	+	+	+	+	+	+	+	+
			White	+	+	+	+	+	+	+	+	+	+	+
72.7	-12.6	PARENTAL EDUCATION		+	+	+	+	+	+	+	+	+	+	+
82.1	-3.2		No High School	+	+	+	+	+	+	+	+	+	+	+
97.2	1.7		Some High School	+	+	+	+	+	+	+	+	+	+	+
98.9	3.4		Graduated High Sch.	+	+	+	+	+	+	+	+	+	+	+
			Post High School	+	+	+	+	+	+	+	+	+	+	+
82.4	-3.0	SIZE-AND-TYPE OF COMMUNITY		+	+	+	+	+	+	+	+	+	+	+
86.2	0.7		Extreme Inner City	+	+	+	+	+	+	+	+	+	+	+
83.0	-2.4		Extreme Rural	+	+	+	+	+	+	+	+	+	+	+
97.3	1.9		Small City	+	+	+	+	+	+	+	+	+	+	+
88.9	3.4		Medium City	+	+	+	+	+	+	+	+	+	+	+
84.2	-0.6		Rest Of Big City	+	+	+	+	+	+	+	+	+	+	+
89.0	3.5		Suburban Fringe	+	+	+	+	+	+	+	+	+	+	+
			Extreme Aff Suburb	+	+	+	+	+	+	+	+	+	+	+

Exercise 718 -- Age 13

Overlaps: Age 9

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

From the events given in this story, 86% of 13-year-olds were able to infer that Tommy had probably won the fight. The 14% who said either that Tommy had probably won or that they could not tell from the story who had won still failed to grasp the inter-relationships among the significant facts.

Exercise 722 -- Age 13

This is like a game to see if you can tell what the nonsense word in the paragraph stands for. The nonsense word is just a silly word for something that you know very well. Read the paragraph and see if you can tell what the underlined nonsense word stands for.

You can wash your face and hands in zup. You can even take a bath in it. When people swim, they are in the zup. Everyone drinks zup.

Nat'l %
Choosing zup is probably
Each Answer

- 0.9% ☐ milk.
1.4% ☐ pop.
4.3% ☐ soap.
92.7% ☒ water.
0.3% ☐ I don't know.
0.3% No response

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9 13

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
92.7	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
		REGION		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
89.2	-1.5*		Southeast	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
92.9	0.2		West	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
94.2	1.5		Central	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
94.0	1.3		Northeast	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		SEX		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
91.0	-1.7*		Male	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
94.5	1.8*		Female	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		COLOR		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
92.5	-10.3*		Black	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
94.3	1.5*		White	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		PARENTAL EDUCATION		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
91.8	-0.9		No High School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
91.2	-1.6		Some High School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
92.9	0.1		Graduated High Sch.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
95.2	2.5*		Post High School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		SIZE-AND-TYPE OF COMMUNITY		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
99.5	-3.2*		Extreme Inner City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
90.9	-1.8		Extreme Rural	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
93.6	0.8		Small City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
92.8	0.0		Medium City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
90.0	-2.7		Rest Of Big City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
93.5	0.7		Suburban Fringe	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
93.8	1.1		Extreme Aff Suburb	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Exercise 722 -- Age 13

Overlaps: Age 9

Objective I: Comprehend what is read.

Subobjective A: Read individual words.

This is one of several passages in which a nonsense word (in this case "zup") is substituted for a real word. On this exercise, 93% of 13-year-olds were able to infer that "zup" is water. The 4% who said soap probably did not read beyond the first two sentences.

Exercise 729 -- Age 13

Read the story and answer the question which follows it.

*Omitted due to
copyright restrictions*

Nat'l %
Choosing
Each Answer

In order to find out about an object which
interested him, what would a Frangible MOST
likely do?

- 8.6% ☐ Take it apart
58.7% ☒ Enter into it
10.5% ☐ Study it scientifically
3.8% ☐ Ask earth scientists about it
10.4% ☐ Wait to see if it would change color
7.3% ☐ I don't know.
0.7% ☐ No response

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S. Clapp.

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9 13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
58.7	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
49.7	-9.0*	REGION	Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
42.3	3.6		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
62.8	4.0		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
60.3	1.2		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
56.0	-2.7*	SEX	Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
61.5	2.9*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
16.2	-22.5*	COLOR	Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
62.5	3.7*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
42.2	-16.5*	PARENTAL EDUCATION	No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
55.9	-2.6		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
58.1	-0.6		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
72.1	13.3*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
40.2	-18.5*	SIZE-AND-TYPE OF COMMUNITY	Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
54.5	-4.2		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
60.2	1.5		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
62.1	3.4		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
40.0	-18.7*		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
58.2	-0.6		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
64.6	10.9*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 729 -- Age 13

Overlaps: Age 9 and 17

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

This story relates the characteristics of Frangibles--inhabitants of the planet Xeno. From these characteristics, 59% of 13-year-olds were able to infer that Frangibles would enter into an object in order to find out about it.

Exercise 730 -- Age 13

This is like a game to see if you can tell what the nonsense word in the paragraph stands for. The nonsense word is just a silly word for something that you know very well. Read the paragraph and see if you can tell what the underlined nonsense word stands for.

Have you ever smelled a mart? They smell very good. Bees like marts. They come in many colors. Marts grow in the earth and they usually bloom in the spring.

Nat'l %
Choosing Marts are probably
Each Answer

- 1.2% ☐ bugs.
96.8% ☒ flowers.
0.6% ☐ perfume.
0.4% ☐ pies.
0.8% ☐ I don't know.
0.2% No response

T07 05 3/1 02*X730011 R1000010

9 13

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS
				0 10 20 30 40 50 60 70 80 90 100
96.4	---	NATIONAL		.....
96.1	-0.7	REGION	Southeast	.....
97.6	0.8		West	.....
97.3	0.4		Central	.....
95.3	-0.5		Northeast	.....
95.4	-1.4*	SEX	Male	.....
98.1	1.3*		Female	.....
97.2	-5.6*	COLOR	Black	.....
97.9	1.1*		White	.....
95.6	-1.3	PARENTAL EDUCATION	No High School	.....
98.0	1.1		Some High School	.....
96.3	-0.5		Graduated High Sch.	.....
99.1	2.2*		Post High School	.....
89.8	-7.0*	SIZE AND TYPE OF COMMUNITY	Extreme Inner City	.....
96.6	-0.2		Extreme Rural	.....
97.3	0.4		Small City	.....
98.1	1.2		Medium City	.....
95.7	-1.1		Rest Of Big City	.....
97.0	0.1		Suburban Fringe	.....
99.0	1.2		Extreme Aff Suburb	.....

Exercise 730 -- Age 13

Overlaps: Age 9

Objective I: Comprehend what is read.

Subobjective A: Read individual words.

Here's another of those little stories in which a nonsense word (in this case "mart") is substituted for a real word. On this exercise, 97% of 13-year-olds were able to infer that "marts" are flowers.

Exercise 732 -- Age 13

Read the story and answer the question which follows it.

Christmas was only a few days away. The wind was strong and cold. The walks were covered with snow. The downtown streets were crowded with people. Their faces were hidden by many packages as they went in one store after another. They all tried to move faster as they looked at the clock.

Nat'l %
Choosing When did the story probably happen?
Each Answer:

- 1.1% ☐ November 28
2.6% ☐ December 1
83.1% ☒ December 21
9.6% ☐ December 25
2.9% ☐ December 28
0.6% ☐ I don't know.
0.1% No response

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9 13

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS											
				0	10	20	30	40	50	60	70	80	90	100	
83.1	---	NATIONAL		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
		REGION													
77.9	-5.3*		Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
81.9	0.6		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
84.3	1.2		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
96.5	3.4*		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
		SEX													
79.2	-3.9*		Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
87.3	4.1*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
		COLOR													
68.7	-14.4*		Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
95.1	2.0*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
		PARENTAL EDUCATION													
69.4	-14.5*		No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
83.6	0.5		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
89.6	1.5		Graduate High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
89.7	6.5*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
		SIZE-AND-TYPE OF COMMUNITY													
76.7	-6.4*		Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
81.7	-1.4		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
92.0	-1.1		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
80.3	-2.8		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
83.7	0.5		Rest of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
95.9	1.8*		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
87.4	4.3		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	

Exercise 732 -- Age 13

Overlaps: Age 9

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

On this exercise, one need only read the first sentence of the story to infer that, of the dates given as possible answers, December 21 best fits "Christmas was only a few days away." Eighty-three percent of 13-year-olds were able to make this inference.

Read the poem and answer the question which follows it.

*Omitted due
to copyright
restrictions*

What do the following lines from the poem mean?

Nat'l %
Choosing
Each Answer

"I see that no one has passed here
In a long time."

- 3.3% ☐ The way of truth is popular.
4.6% ☐ People are fascinated by the truth.
7.8% ☐ Truth comes and goes like the wind.
14.3% ☐ The truth is difficult to recognize.
61.5% ☒ Few people are searching for the truth.
8.1% ☐ I don't know.
0.5% No response

"The Wayfarer," from *The New Pocket Anthology of American Verse*,
Stephen Crane. Reprinted by permission of Washington Square Press.

701 03 1/1 05*733011 R1000019

13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP DIFFERENTIAL	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
61.5	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
58.9	-2.7	REGION	Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
62.4	0.9		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
62.1	0.6		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
62.7	1.2		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
56.6	-4.9*	SEX	Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
66.7	5.2*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
45.1	-16.2*	COLOR	Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
64.1	2.8*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
46.6	-15.0*	PARENTAL EDUCATION	No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
55.5	-6.0		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
51.6	0.0		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
69.8	8.3*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
55.0	-6.5	SIZE-AND-TYPE OF COMMUNITY	Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
69.5	8.0		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
61.4	0.3		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
60.0	-1.4		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
56.6	-4.9		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
56.1	-5.4*		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
71.9	10.3*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 733 -- Age 13

Overlaps: Age 17 and Adult

Objective I: Comprehend what is read.

Subobjective B: Read phrases, clauses and sentences.

This poem about the pathway to truth is cast as an extended metaphor. Sixty-two percent of 13-year-olds were able to infer that the lines

"I see that no one has passed here
In a long time"

mean few people are searching for truth. The 14% who answered "The truth is difficult to recognize" missed the point of the poem: While the pathway to truth may be recognized by many, few choose to follow it.

Read the paragraph and answer the question which follows it.

*Omitted due to
copyright restrictions*

h.*

Nat'l %
Choosing
Each Answer

What does the writer suggest when he mentions a "fine,
neglected novel"?

- 8.1% ☐ Kerouac had the right idea about the war.
- 27.0% ☐ Kerouac had a clear understanding of the new
post-war generation.
- 48.3% ☒ Kerouac had not received the recognition of
"The Town and the City" that was deserved.
- 14.5% ☐ I don't know.
- 2.2% No response

*"This is the Beat Generation," *The Character of Prose*, Clellon
Holmes, © 1959 by the New York Times Company. Reprinted by
permission.

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13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP DIFFERENTIAL	VARIABLE-----GROUP	PERCENTAGE OF SUCCESS									
			0	10	20	30	40	50	60	70	80	100
49.3	---	NATIONAL	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
REGION												
46.7	-1.5	Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
43.1	-5.0	West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
52.5	4.2*	Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
41.8	1.5	Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
SEX												
44.0	-4.3*	Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
52.4	4.5*	Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
COLOR												
33.4	-9.9*	Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
40.7	1.5*	White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
PARENTAL EDUCATION												
37.9	-10.4*	No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
39.5	-9.8*	Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
47.9	-0.5	Graduate High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
56.1	7.8*	Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
SIZE AND TYPE OF COMMUNITY												
46.4	-1.8	Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
52.1	3.8	Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
46.2	-2.1	Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
50.7	2.4	Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
29.0	-19.3*	Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
50.7	2.4	Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
55.2	6.9*	Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 735 -- Age 13

Overlaps: Age 17

Objective I: Comprehend what is read.

Subobjective B: Read phrases, clauses and sentences.

This passage is about the word "beat" as used in the "beat generation." The passage notes that "John Kerouac, the author of a fine, neglected novel 'The Town and the City,'...finally came up with [the word beat]" to describe the generation that went through World War II. Forty-eight percent of 13-year-olds were able to infer that "fine, neglected novel" means that Kerouac had not received the recognition for "The Town and the City" that was deserved. Twenty-seven percent said Kerouac had a clear understanding of the new post-war generation, a statement which is undoubtedly true but not the answer to the question asked.

Read the passage and answer the questions which follow it.

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Nat'l %

Choosing
Each AnswerWhat does the passage suggest a good farmer
should understand about nature?

- 4.9% ☐ Insects are harmful to plants.
- 8.0% ☐ Birds are not harmful to plants.
- 15.7% ☐ Wheat may be damaged by both animals and other plants.
- 18.8% ☐ The amount of wheat he can raise depends on two factors: birds and insects.
- 49.4% ☒ A change in one factor of plants' surroundings may cause other factors to change.
- 2.9% ☐ I don't know.
- 0.3% No response

1.

**Balance in Nature*, Bertha Morris Parker. Reprinted by permission
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13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP DIFFERENCE	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
49.4	---	NATIONAL		.....									
		REGION												
41.5	-5.9		Southeast	.....									
50.4	1.0		West	.....									
49.6	0.2		Central	.....									
54.2	4.9		Northeast	.....									
		SEX												
46.6	-2.8*		Male	.....									
52.0	2.7*		Female	.....									
		COLOR												
22.4	-27.0*		Black	.....									
53.9	4.5*		White	.....									
		PARENTAL EDUCATION												
30.5	-18.8*		No High School	.....									
37.9	-16.4*		Some High School	.....									
46.6	-2.8		Graduated High Sch.	.....									
66.3	16.9*		Post High School	.....									
		SIZE-AND-TYPE OF COMMUNITY												
37.6	-11.8*		Extreme Inner City	.....									
47.8	-1.5		Extreme Rural	.....									
46.6	-2.8		Small City	.....									
49.2	-0.2		Medium City	.....									
50.6	1.2		Rest Of Big City	.....									
54.6	5.3		Suburban Fringe	.....									
58.4	9.1*		Extreme Aff Suburb	.....									

73802

Nat'l %
Choosing
Each Answer

What important idea about nature does the
writer want us to understand?

- 1.6% ☐ Farmer Brown was worried about the heavy rainfall.
- 4.6% ☐ Nobody needs to have such destructive birds around.
- 3.1% ☐ Farmer Brown didn't want the temperature to change.
- 4.8% ☐ All insects need not only wheat rust but grasshoppers.
- 72.4% ☒ All living things are dependent on other living things.
- 7.1% ☐ I don't know.
- 6.4% ☐ No response

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13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP PERCENT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
72.4	---	NATION%		+	+	+	+	+	+	+	+	+	+	+
		REGION												
57.6	-4.8		Southeast											
73.5	1.1		West											
71.5	-0.9		Central											
77.3	4.9		Northeast											
		SEX												
67.9	-4.6*		Male											
76.8	4.6*		Female											
		COLOR												
49.1	-23.3*		Black											
76.1	3.9*		White											
		PARENTAL EDUCATION												
49.2	-23.2*		No High School											
61.5	-8.9*		Some High School											
69.8	-2.6		Graduated High Sch.											
86.4	14.0*		Post High School											
		SIZE AND TYPE OF COMMUNITY												
58.9	-13.6*		Extreme Inner City											
65.4	-6.9*		Extreme Rural											
70.5	-1.9		Small City											
70.7	-1.7		Medium City											
70.7	-1.7		Rest Of Big City											
79.0	6.6*		Suburban Fringe											
85.5	13.1*		Extreme Aff Suburb											

73803 Summary of the two parts

0.2% No response
 20.7% 0 parts correct
 36.1% 1 part correct
 42.7% 2 parts correct

The exhibit below gives the percentages of success and effects for both parts correct.

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13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
42.7	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
39.7	-4.0	REGION	Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
41.5	-1.2		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
42.5	-0.3		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
48.4	5.6		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
39.2	-3.5*	SEX	Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
46.1	3.4*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
18.2	-28.6*	COLOR	Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
47.8	4.7*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
21.9	-20.9*	PARENTAL EDUCATION	No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
27.3	-15.5*		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
39.9	-3.9*		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
60.9	18.2*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
30.4	-12.3*	SIZE-AND-TYPE OF COMMUNITY	Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
38.7	-4.1		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
40.2	-2.5		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
42.9	0.1		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
49.1	-2.7		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
47.4	4.7		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
55.3	12.5*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 738 -- Age 13

Overlaps: Age 17

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

This passage describes the interrelationship among environmental factors and how a change in any one of them can affect many others. On part 73801, 49% of 13-year-olds were able to infer that a good farmer should understand that a change in one factor of plants' surroundings may cause other factors to change. The correct answer is a generalization from the example of Farmer Brown and his wheat. Most of those failing on this part chose answers that are specific to the example used in the first part of the passage. On part 73802, 72% were able to infer that all living things are dependent on other living things. Twenty-one percent were not able to make the correct inference on either part, 36% were correct on only one part and 43% inferred the correct answer on both parts (73803).

Exercise 719 -- Age 11

Read the passage and answer the question which follows it.

"For a 12-year-old, I've been around a lot because my father's in the Army. I have been to New York and to Paris. When I was nine, my parents took me to Rome. I didn't like Europe very much because the people don't speak the same language I do. When I am older my mother says I can travel by myself. I think I will like that. Ever since I was 11 I have wanted to go to Canada."

Nat'l & Choosing Why can't everything this person said be true?
Each Answer

- 10.4% ☐ 12-year-olds can't travel alone.
5.6% ☐ No one can travel that much in 12 years.
79.1% ☒ There is a conflict in the ages used in the passage.
4.8% ☐ I don't know.
0.1% No response

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13

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP PERCENT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
77.1	---	NATIONAL		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
75.2	-3.8	REGION		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30.5	1.4		Southeast	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
78.1	-1.0		West	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
82.9	3.8		Central	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
			Northeast	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
75.6	-3.5*	SEX		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
82.5	3.4*		Male	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
			Female	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
62.3	-16.8*	COLOR		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
92.1	2.9*		Black	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
			White	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
60.1	-19.0*	PARENTAL EDUCATION		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
67.8	-11.3*		No High School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
79.9	0.8		Some High School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
99.1	10.2*		Graduated High Sch.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
			Post High School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
71.4	-5.7	SIZE-AND-TYPE OF COMMUNITY		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
74.5	-4.6		Extreme Inner City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
75.1	-3.0		Extreme Rural	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
81.7	2.4		Small City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
78.3	-0.8		Medium City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
84.2	5.1*		Best Of Big City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
83.9	4.8*		Suburban Fringe	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
			Extreme Aff Suburb	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Exercise 739 -- Age 13

Objective V: Make judgments concerning what is read.

Subobjective C: Make judgments about a work on the basis of what is found in the work itself.

In order to be successful on this exercise, one must detect the conflict between "For a 12-year-old, I've been around..." and "Ever since I was 13 I have wanted..." Seventy-nine percent of 13-year-olds succeeded.

Read the passage and complete the sentence which follows it.

Between April and October the Persian Gulf is dotted with the small boats of pearl divers. Some seventy-five thousand of them are busy diving down and bringing up pearl-bearing oysters. These oysters are not the kind we eat. The edible oyster produces pearls of little or no value. You may have heard tales of diners who discovered pearls and sold them for great sums of money. These stories are entertaining but not accurate.*

Nat'l 9

Choosing
Each Answer

The Persian Gulf has many

- 11.0% ☐ large boats of pearl divers.
 3.2% ☐ pearl divers who eat oysters.
 20.0% ☐ edible oysters that produce pearls.
 59.8% ☒ non-edible oysters that produce pearls.
 3.3% ☐ edible oysters that do not produce pearls.
 2.3% ☐ I don't know.
 0.4% No response

*The Real Book about Treasure, Hal Burton. Reprinted by permission of Garden City Books.

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13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP PERCENT	VARIABLE-----GPO7P	PERCENTAGE OF SUCCESS										
			0	10	20	30	40	50	60	70	80	90	100
59.9	---	NATIONAL	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
49.4	-10.4*	REGION	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
57.1	-2.6	Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
64.4	4.7	West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
65.3	5.5	Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
59.9	0.1	SEX	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
59.7	-0.1	Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
25.1	-34.7*	COLOR	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
65.4	5.7*	Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
36.7	-23.8*	PARENTAL EDUCATION	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
51.4	-8.3*	No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
60.9	1.2	Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
73.2	13.4*	Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
37.9	-21.9*	SIZE-AND-TYPE	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
42.5	-17.2*	OF COMMUNITY	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
58.4	-1.4	Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
67.4	7.6*	Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
53.8	-6.0	Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
67.5	3.8	Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78.4	18.6*	Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 742 -- Age 13

Overlaps: Age 17 and Adult

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

From the facts given in this story, 60% of 13-year-olds were able to infer that the Persian Gulf has many inedible oysters that produce pearls. A number of facts must be related in order to arrive at the correct answer. That the Persian Gulf has many oysters must be inferred from "seventy-five thousand pearl divers." That the oysters are inedible must be inferred from "These oysters are not the kind we eat."

Exercise 744 -- Age 13

Read the passage and answer the question which follows it.

- I Skiing has recently become one of the more popular sports in the United States. Because of its popularity, thousands of winter vacationers are flying north rather than south. In many areas, reservations are required months ahead of time.
- II I discovered the accommodation shortage through an unfortunate experience. On a sunny Saturday morning I set out from Denver for the beckoning slopes of Aspen, Colorado. After passing signs for other ski areas, I finally reached my destination. Naturally I lost no time in heading for the nearest tow. After a stimulating afternoon of miscalculated stem turns I was famished. Well, one thing led to another and it must have been eight o'clock before I concerned myself with a bed for my bruised and aching bones.
- III It took precisely one phone call to ascertain the lack of lodgings in the Aspen area. I had but one recourse. My auto and I started the treacherous jaunt over the pass and back towards Denver. Along the way, I went begging for a bed. Finally a jolly tavernkeeper took pity and for only thirty dollars a night allowed me the privilege of staying in a musty, dirty, bathless room above his tavern.

Nat'l % Choosing Each Answer	The author's love for skiing is suggested in which paragraph(s)?
18.3%	<input type="radio"/> I
35.2%	<input checked="" type="radio"/> II
7.4%	<input type="radio"/> III
13.0%	<input type="radio"/> I and II
20.8%	<input type="radio"/> None of the paragraphs
4.6%	<input type="radio"/> I don't know.
1.5%	No response

15 13 3/1 02*744012 R0200013

13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
35.1	---	NATIONAL		*****										
		REGION												
29.9	-5.3*		Southeast	*****										
14.7	-0.4		West	*****										
36.9	1.8		Central	*****										
37.8	2.7		Northeast	*****										
		SEX												
34.3	-0.8		Male	*****										
35.9	0.7		Female	*****										
		COLOR												
20.4	-14.8*		Black	*****										
37.6	2.4*		White	*****										
		PARENTAL EDUCATION												
25.1	-10.1*		No High School	*****										
35.5	0.3		Some High School	*****										
39.4	3.3		Graduated High Sch.	*****										
38.1	2.9*		Post High School	*****										
		SIZE-AND-TYPE OF COMMUNITY												
25.5	-9.6*		Extreme Inner City	*****										
32.3	-2.8		Extreme Rural	*****										
39.5	3.4*		Small City	*****										
37.2	2.1		Medium City	*****										
22.9	-12.2*		Rest of Big City	*****										
36.0	0.8		Suburban Fringe	*****										
39.6	4.5		Extreme Aff Suburb	*****										

Exercise 744 -- Age 13

Overlaps: Age 17

Objective II: Analyze what is read.

Subobjective C: See the techniques by which the author has created his effects.

This story is concerned primarily with the author's difficulty in obtaining accommodations near a ski area. The second paragraph, however, presents a number of facts from which one may infer the author's love for skiing. Thirty-five percent of 13-year-olds recognized that paragraph II implies the author's love for skiing. However, 21% thought none of the paragraphs did, 18% thought paragraph I did and 13% thought both paragraphs I and II did.

Exercise 746 -- Age 13

Read the passage and complete the sentence which follows it.

Art says that the polar ice cap is melting at the rate of 34 per year. Bert says that this isn't true because the polar ice cap is really melting at the rate of 70 per year.

Mat'l 4
Choosing
Each Answer

We know for CERTAIN that

- 3.4% ☐ Art is wrong.
4.0% ☐ Bert is wrong.
5.4% ☐ they are both wrong.
21.4% ☐ they both might be right.
55.3% ☒ they can't both be right.
9.8% ☐ I don't know.
0.3% No response

108 02 3/1 054746014 R0308010

13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE-----	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
55.3	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
		REGION												
49.5	-5.8*		Southeast	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
54.1	-1.3		West	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
57.5	2.2		Central	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
60.2	4.9*		Northeast	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		SEX												
53.3	-2.0		Male	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
57.5	2.2		Female	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		COLOR												
35.3	-20.0*		Black	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
59.3	2.0*		White	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		PARENTAL EDUCATION												
35.3	-20.0*		No High School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
54.5	-0.8		Some High School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
52.1	-3.2*		Graduated High Sch.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
66.1	10.7*		Post High School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		SIZE-AND-TYPE OF COMMUNITY												
43.1	-12.3*		Extreme Inner City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
54.3	-1.1		Extreme Rural	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
52.6	-2.7		Small City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
53.2	-2.1		Medium City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
48.3	9.0*		Rest Of Big City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
58.0	2.7		Suburban Fringe	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
62.3	7.0*		Extreme Aff Suburb	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Exercise 746 -- Age 13

Overlaps: Age 17

Objective IV: Reason logically from what is read.

Subobjective C: Reason from a general principle to specific instances.

Here Art says the polar ice cap is melting at one rate and Bert says a different rate. From the information given, 55% of 13-year-olds were able to infer that we know for CERTAIN that they both can't be right. The 22% who said they both might be right failed to grasp the concept involved.

Exercise 747 -- Age 13

Overlaps: Age 17

Objective I: Comprehend what is read.

Subobjective B: Read phrases, clauses and sentences.

In this Shakespearean sonnet, a man bewails his state but does not wish to be different because, as the last two lines state,

For thy sweet love remembered, such wealth brings
That then I scorn to change my state with kings.

Only 30% of 13-year-olds were able to infer that "Thy sweet love remembered" saves the man from wishing to be different than he is.

Exercise 748 -- Age 13

Read the story and complete the sentence which follows it.

My name is Gregory Gotrocks, and I live in Peoria, Illinois. I sell tractors. In June 1952, the Gotrocks Tractor Company (my dad happens to be the president) sent me to Nepal-Tibet to check on our sales office there.

Business was slow and I had a lot of time to kill. I decided to see Mt. Everest so that I could tell everyone back in Peoria that I had seen it.

It was beautiful, I was spellbound. I simply had to see what the view looked like from the top. So I started up the northwest slope. Everyone knows that this is the best route to take. It took me three long hours to reach the top, but the climb was well worth it.*

Nat'l % Choosing Each Answer Gregory Gotrocks went to see Mt. Everest so that he could

- 1.8% ☐ see some friends.
11.2% ☐ sell some tractors.
4.4% ☐ take a picture of it.
0.6% ☐ plant a flag at its base.
76.2% ☒ entertain his friends back home.
5.3% ☐ I don't know.
0.4% No response

*Climbing Mt. Everest, A.J. Lewis.

T09 03 3/1 05*X748011 R1000010

13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
76.2	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
75.4	-0.8	REGION	Southeast	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
74.8	-1.4		West	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
78.2	2.0		Central	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
76.7	-0.2		Northeast	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
73.6	-2.6	SEX	Male	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
79.0	2.8		Female	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
59.9	-16.3*	COLOR	Black	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
80.4	6.1*		White	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
54.9	-21.3*	PARENTAL EDUCATION	No High School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
73.8	-2.4		Some High School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
75.0	-0.2		Graduated High Sch.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
83.3	6.8*		Post High School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
72.4	-3.8	SIZE AND TYPE OF COMMUNITY	Extreme Inner City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
76.6	0.4		Extreme Rural	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
74.7	-1.5		Small City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
97.4	4.2		Medium City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
67.4	-8.8		Rest of Big City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
79.1	2.9		Suburban Fringe	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
77.4	1.2		Extreme Aff Suburb	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Exercise 748 -- Age 17

Overlaps: Age 17

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

Seventy-six percent of 13-year-olds inferred, from the facts given in the second and third paragraphs, that Gregory Gotrocks went to see Mt. Everest so that he could entertain his friends back home.

Read the story and answer the question which follows it.

Omitted due to copyright restriction

Nat'l %
Choosing
Each Answer

Which one of the following seems to be
FALSE?

- 44.2% ☐ The Frangibles had been visited before.
- 4.5% ☐ Space travel had progressed a great deal.
- 6.2% ☐ Xeno was a considerable distance from Earth.
- 25.5% ☒ Earthmen were the only creatures to have traveled in space.
- 14.2% ☐ There was cooperation between inhabitants of various planets.
- 6.0% ☐ I don't know.
- 0.4% ☐ No response

U₁

U₁

*Space Trip, Martha S. Clapp. Reprinted by permission of Martha S. Clapp.

T11 07 1/1 04*x750014 R00040TJ

13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
24.5	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
22.9	-1.6	REGION	Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
23.1	-1.5		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
25.7	1.1		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
26.1	1.5		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
26.0	1.4	SEX	Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
23.1	-1.5		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
19.1	-5.5*	COLOR	Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
25.7	1.1*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
22.3	-2.3	PARENTAL EDUCATION	No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
21.6	-3.0		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
23.9	-0.6		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
28.7	4.2*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
18.3	-6.2*	SIZE-AND-TYPE OF COMMUNITY	Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
16.4	-8.2*		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
24.8	0.3		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
30.1	5.5		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
25.4	0.9		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
23.7	-0.9*		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
29.8	5.3		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 750 -- Age 13

Overlaps: Age 17

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

Although the passage states that Frangibles were listed as friendly in the Interstellar Gazetteer, only 26% of 13-year-olds were able to infer that "Earthmen were the only creatures to have traveled in space" was FALSE. Forty-four percent said "The Frangibles had been visited before" was FALSE. According to the passage, however, it is true that Frangibles had never before been visited by Earthmen.

Read the passage and answer the questions which follow it.

*Omitted due to
copyright restriction*

Nat'l %
Choosing
Each Answer

What is the "abyss" along which the young
couples are marching?

- 4.2% ☐ Nuclear war
20.9% ☐ Unemployment
4.7% ☐ Mental breakdown
60.2% ☒ Financial disaster
2.9% ☐ Catastrophic illness
7.0% ☐ I don't know.
0.2% ☐ No response

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h,

*The Organization Man, William H. Whyte, Jr. Reprinted by permission of Doubleday and Co.

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13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP DIFFERENTIAL	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
59.2	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
		REGION												
53.3	-6.9*		Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
59.4	-1.8		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
67.3	0.6		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
67.9	7.7*		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SEX												
56.1	-4.1*		Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
64.3	4.1*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		COLOR												
43.3	-17.0*		Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
67.5	3.3*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		PARENTAL EDUCATION												
41.6	-18.7*		No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
55.2	-5.0		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
59.8	-1.5		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
71.5	11.3*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SIZE-AND-TYPE OF COMMUNITY												
47.4	-12.8*		Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
49.2	-11.0*		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
59.1	-1.1		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
67.2	6.8		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
59.3	-0.9		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
64.8	4.6		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
69.5	9.3*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

75202

Nat'l %
Choosing
Each Answer

What conclusion does the author reach concerning carefully charted debt among young couples in the United States today?

- 8.6% ☐ It is a symbol of love.
 9.2% ☐ It brings marital happiness.
 54.6% ☒ It helps them to feel secure.
 9.0% ☐ It enables them to acquire wealth.
 11.1% ☐ It provides them with material goods.
 6.8% ☐ I don't know.
 0.8% No response

T11 13 4/1 03*K752021 01000010

13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
54.6	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
		REGION		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
53.5	-1.1		Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
52.4	-2.1		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
54.2	-0.3		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
59.7	3.4		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SEX		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
44.8	-7.8*		Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
62.5	7.9*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		COLOR		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
35.7	-19.6*		Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
58.5	3.9*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		PARENTAL EDUCATION		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
47.3	-11.3*		No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
45.5	-9.1*		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
55.1	0.5		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
61.2	6.6*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SIZE-AND-TYPE OF COMMUNITY		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
42.1	-12.5*		Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
46.7	-7.9		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
56.5	1.9		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
54.3	-0.3		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
51.7	-2.9		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
56.1	1.5		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
66.9	12.3*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

75203 Summary of the two parts

0.2% No response

25.6% 0 parts correct

33.6% 1 part correct

40.6% 2 parts correct

The exhibit below gives the percentages of success and effects for both parts correct.

T11 13B 1/2 12*X752030 U0000000

13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP DIFFFCY	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
40.6	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
		REGION		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
36.1	-4.5		Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
39.8	-1.8		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
40.8	0.2		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
46.7	5.7		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SEX		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
33.2	-7.4*		Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
48.0	7.4*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		COLOR		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
20.0	-20.6*		Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
44.6	4.0*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		PARENTAL EDUCATION		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
24.6	-15.9*		No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
30.2	-10.3*		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
40.9	0.3		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
50.3	9.7*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SIZE-AND-TYPE OF COMMUNITY		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
25.1	-15.5*		Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
30.9	-9.7*		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
41.0	0.4		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
42.8	2.2		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
38.7	-1.9		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
44.5	3.9		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
54.3	13.7*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 752 -- Age 13

Overlaps: Age 17

75201

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

75202

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

This passage describes the spending habits of suburbanites--committing nearly the entire income to equal monthly payments. On part 75201, 60% of 13-year-olds were able to infer that the "abyss" along which the young couples are marching is financial disaster. "Unemployment," the response of 21% of the 13-year-olds, is a plausible response since the couples' loss of income could lead them to financial disaster. On part 75202, 55% were able to infer that carefully charted debt helps suburbanites feel secure. Twenty-six percent of 13-year-olds were not able to make either inference, 34% correctly made only one of the inferences and 41% were able to make both inferences.

Exercise 754 -- Age 13

Read the verse and fill in the oval beside the object described in the verse.

You see me when I'm right or wrong;
My face I never hide.
My hands move slowly round and round
And o'er me minutes glide.

Nat'l %
Choosing
Each Answer

2.5% ☐ Book
93.4% ☒ Clock
2.1% ☐ Record
0.5% ☐ Table

0.9% ☐ I don't know.
0.7% No response

712 04 3/1 02*754014 R0004010

13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP PERCENT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
93.4	---	NATIONAL		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		<u>REGION</u>												
87.9	-5.5*		Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
94.4	0.9		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
95.3	1.8		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
95.5	2.1		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		<u>SEX</u>												
90.1	-3.4*		Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
96.7	3.3*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		<u>COLOR</u>												
82.3	-11.2*		Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
95.3	1.9*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		<u>PARENTAL EDUCATION</u>												
89.1	-4.3		No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
88.9	-4.5		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
93.6	0.2		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
97.2	3.8*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		<u>SIZE-AND-TYPE OF COMMUNITY</u>												
91.6	-1.8		Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
85.4	-7.6*		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
92.6	-0.8		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
94.0	0.5		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
94.7	1.3		Rest of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
96.2	2.7*		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
97.8	4.3*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 754 -- Age 13

Overlaps: Age 17

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

Ninety-three percent of 13-year-olds were able to infer that a clock is described in this riddle.

Read the passage and answer the questions which follow it.

*Omitted due to copyright
restrictions*

Answer
the
questions
which
follow
it.

75501

Nat'l %
Choosing
Each Answer

Why was there primitiveness and self-con-
tainment in Nayon before 1910?

- 13.4% ☐ Social mores
39.2% ☐ Cultural tradition
7.0% ☐ Biological instincts
26.6% ☒ Geographica. factors
5.0% ☐ Religious regulations
7.2% ☐ I don't know.
1.7% No response

***The Village in an Industrial World," *Scientific Monthly*,
August 1953. Reprinted by permission of the publisher.

T12 36 3/1 04*X755011 R1000010

13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
26.6	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
		REGION												
23.1	-6.5*		Southeast	.....									
26.7	0.1		West	.....									
28.4	1.8		Central	.....									
30.4	3.8		Northeast	.....									
		SEX												
28.9	2.3*		Male	.....									
24.4	-2.2*		Female	.....									
		COLOR												
18.6	-8.0*		Black	.....									
28.0	1.3*		White	.....									
		PARENTAL EDUCATION												
20.7	-5.9		No High School	.....									
21.7	-4.9		Some High School	.....									
25.9	-0.7		Graduated High Sch.	.....									
31.2	4.6*		Post High School	.....									
		SIZE-AND-TYPE OF COMMUNITY												
17.7	-8.9*		Extreme Inner City	.....									
33.7	7.1		Extreme Rural	.....									
26.9	0.3		Small City	.....									
21.2	-5.4		Medium City	.....									
27.5	1.0		Rest Of Big City	.....									
22.6	-4.0		Suburban Fringe	.....									
39.4	11.8*		Extreme Aff Suburb	.....									

75502

Nat'l %
Choosing
Each Answer

By 1948 the village of Nayon was

- 27.6% ☐ a self-sufficient village.
- 6.1% ☐ out of touch with the outside world.
- 13.7% ☒ a small dependent portion of a larger economic unit.
- 47.7% ☐ a rapidly growing and sound social and cultural unit.
- 2.6% ☐ I don't know.
- 2.5% No response

T12 06 4/1 03*X755024 R0J04012

13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE-----GROUP	PERCENTAGE OF SUCCESS										
			0	10	20	30	40	50	60	70	80	90	100
13.7	---	NATIONAL	+	+	+	+	+	+	+	+	+	+	+
		REGION	*****										
14.8	1.2	Southeast	*****										
13.5	-0.2	West	*****										
13.8	0.1	Central	*****										
12.6	-1.0	Northeast	*****										
		SEX											
14.2	0.5	Male	*****										
13.2	-0.5	Female	*****										
		COLOR											
12.4	-1.3	Black	*****										
14.0	0.3	White	*****										
		PARENTAL EDUCATION											
16.9	3.2	No High School	*****										
14.9	1.3	Some High School	*****										
14.0	0.4	Graduated High Sch.	*****										
12.1	-1.5	Post High School	*****										
		SIZE-AND-TYPE OF COMMUNITY											
12.9	-0.7	Extreme Inner City	*****										
13.7	0.0	Extreme Rural	*****										
14.4	0.8	Small City	*****										
14.8	1.1	Medium City	*****										
16.0	2.3	Rest Of Big City	*****										
10.4	-3.3*	Suburban Fringe	*****										
15.1	1.5	Extreme Aff Suburb	*****										

75503

Nat'l %
Choosing
Each Answer

Why was Nayon originally separated from its neighbors?

- 14.6% ☐ Rich arable land
- 4.0% ☐ Long meandering streams
- 12.7% ☐ Artificial political barriers
- 15.4% ☐ Broad stretches of arid desert
- 25.0% ☒ Deep rugged gorges traversed by rock trails
- 21.3% ☐ I don't know.
- 6.5% No response

T12 06 5/1 05*X755034 R0004010

13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	0	10	20	30	40	50	60	70	80	90	100
25.2	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
23.0	-2.0	REGION												
24.7	-0.3		Southeast											
27.5	2.5		West											
23.9	-1.1		Central											
			Northeast											
27.5	2.6*	SEX												
22.4	-2.5*		Male											
			Female											
16.4	-8.6*	COLOR												
26.4	1.4*		Black											
			White											
19.3	-5.7*	PARENTAL EDUCATION												
17.0	-8.0*		No High School											
27.6	2.6		Some High School											
28.5	3.5*		Graduate High Sch.											
			Post High School											
15.4	-8.6*	SIZE-AND-TYPE OF COMMUNITY												
26.8	1.9		Extreme Inner City											
27.9	2.9*		Extreme Rural											
24.0	-1.0		Small City											
23.1	-1.9		Medium City											
23.5	-1.4		Rest Of Big City											
24.0	-1.0		Suburban Fringe											
			Extreme Aff Suburb											

75504 Summary of the three parts

1.1% No response
 49.7% 0 parts correct
 34.2% 1 part correct
 14.1% 2 parts correct
 1.0% 3 parts correct

The exhibit below shows the percentages of success and effects for all three parts correct.

T12 06B 1/2 13*X755040 R0000000

13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	0	10	20	30	40	50	60	70	80	90	100
1.0	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
		<u>REGION</u>												
0.7	-0.2		Southeast	+										
1.7	0.7		West	+										
0.6	-0.3		Central	+										
1.0	0.0		Northeast	+										
		<u>SEX</u>												
1.1	0.1		Male	+										
0.8	-0.1		Female	+										
		<u>COLOR</u>												
0.0	-0.9*		Black	+										
1.1	0.2*		White	+										
		<u>PARENTAL EDUCATION</u>												
0.0	-1.0*		No High School	+										
0.3	-0.7*		Some High School	+										
1.1	0.1		Graduated High Sch.	+										
1.3	0.3		Post High School	+										
		<u>SIZE-AND-TYPE OF COMMUNITY</u>												
2.4	1.4		Extreme Inner City	+										
0.2	-0.8*		Extreme Rural	+										
1.2	0.2		Small City	+										
0.4	-0.6*		Medium City	+										
0.9	-0.1		Rest Of Big City	+										
0.8	-0.2		Suburban Fringe	+										
1.8	0.8		Extreme Aff Suburb	+										

Exercise 755 -- Age 13

Overlaps: Age 17 and Adult

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

This passage describes various changes in the Andean village of Nayon during the twentieth century. On part 75501, 27% of 13-year-olds were able to infer that Nayon was primitive and self-contained before 1910 because of geographical factors; however, "cultural tradition" is a plausible response and was chosen by 39%. On part 75502, 14% were able to infer that by 1948 Nayon was a small, dependent portion of a larger economic unit, but 48% inferred that it was a "rapidly growing and sound social and cultural unit." On part 75503, 25% were able to infer from the fact that Nayon was in a high inter-Andean valley that Nayon was originally separated from its neighbors because of deep gorges (barrancas) and rocky trails. Almost as many (21%) said "I don't know" as those who made the correct inference. Fifty-one percent failed to make correct inferences on any part (or made no response); 34% made a correct inference on one part; 14% made a correct inference on two parts; and 1% made correct inferences on all three parts.

Read the passage and answer the question on the next page.

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Nat'l %
Choosing
Each AnswerWhich of the following BEST explains the
kind of human behavior described?

- 6.4% ☐ "Not merely...greed for goods."
 10.7% ☒ "In self-entrapment is security..."
 8.4% ☐ "...obligations are homogenized..."
 26.7% ☐ "Suburbanites are not irresponsible."
 42.4% ☐ "They are extremely budget-conscious."
 5.3% ☐ I don't know.
 0.1% No response

*The Organization Man, William H. Whyte, Jr. Reprinted by permission of Doubleday and Co.

T13 09 3/1 02*X756011 91000010

13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE-----GROUP	PERCENTAGE OF SUCCESS										
			0	10	20	30	40	50	60	70	80	90	100
10.7	---	NATIONAL	+	+	+	+	+	+	+	+	+	+	+
		REGION											
9.3	-1.9	Southeast	.....									
9.6	-1.2	West	.....									
12.2	1.5	Central	.....									
12.2	1.4	Northeast	.....									
		SEX											
11.2	0.4	Male	.....									
10.3	-0.4	Female	.....									
		COLOR											
9.5	-1.2	Black	.....									
11.0	0.2	White	.....									
		PARENTAL EDUCATION											
13.1	2.6	No High School	.....									
8.7	-2.0	Some High School	.....									
11.0	0.3	Graduated High Sch.	.....									
10.1	-0.7	Post High School	.....									
		SIZE-AND-TYPE OF COMMUNITY											
13.1	2.3	Extreme Inner City	.....									
9.5	-2.2	Extreme Rural	.....									
12.9	2.1	Small City	.....									
8.7	-2.0	Medium City	.....									
5.7	-4.0	Rest Of Big City	.....									
9.5	-2.3	Suburban Fringe	.....									
12.9	2.1	Extreme Aff Suburb	.....									

Exercise 756 -- Age 13

Overlaps: Age 17 and Adult

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

This passage (same as in Exercise 752) describes the spending habits of suburbanites--committing nearly the entire income to equal monthly payments. Only 11% of 13-year-olds were able to infer that "In self-entrapment is security" best explains the described human behavior of suburbanites. Forty-two percent chose the response "They are extremely budget-conscious," which describes the behavior but does not explain it. The same is true of "Suburbanites are not irresponsible"--chosen by 27%.

CHAPTER 5

RESULTS FOR AGE 17

The 17-year-olds participating in the 1970-71 Reading assessment fall into two classifications: (1) the "in-school" 17-year-olds and (2) the "out-of-school" 17-year-olds who were not enrolled in public or private schools because they either dropped out or completed high school early. The latter were included to provide in the assessment a more balanced representation of all 17-year-olds. The "in-school" 17-year-olds participating in the assessment were born between October 1, 1953, and September 30, 1954. About three fourths of them were enrolled in the eleventh grade at the time of the assessment; of the remainder, about half were enrolled in the tenth grade and about half in the twelfth grade. The "out-of-school" 17-year-olds who participated in the assessment were (1) not enrolled in public or private school during March 1970 and were born between October 1, 1952, and September 30, 1953,¹ or (2) not enrolled in public or private school during January 1971 and were born between October 1, 1953, and September 30, 1954.

First, we describe each group's overall behavior on the Theme 7 exercises, then we indicate those exercises on which the group's performance differs atypically from the group's median level. Finally, we present each released exercise and an exhibit showing the results for each group on that exercise.

Thirty-eight specific effects (behaviors) on drawing inferences are summarized at age 17. Twenty-three of these represent released exercises and are described in detail. The other 15 behaviors represent unreleased exercises to be used in future assessments. Exhibit 5-1 shows the distribution of the 38 effects representing Theme 7 for each group relative to the national level indicated by the \emptyset line. A group's median level is indicated by an arrow (+). Each specific behavior is indicated by a box with

¹These respondents were actually 18-year-olds who were included in the sample to obtain a larger representation. It was deemed that one year's difference in age would make little difference in the way they respond since they were out of school.

EXHIBIT 5-1A Distribution of Effects for Age 17

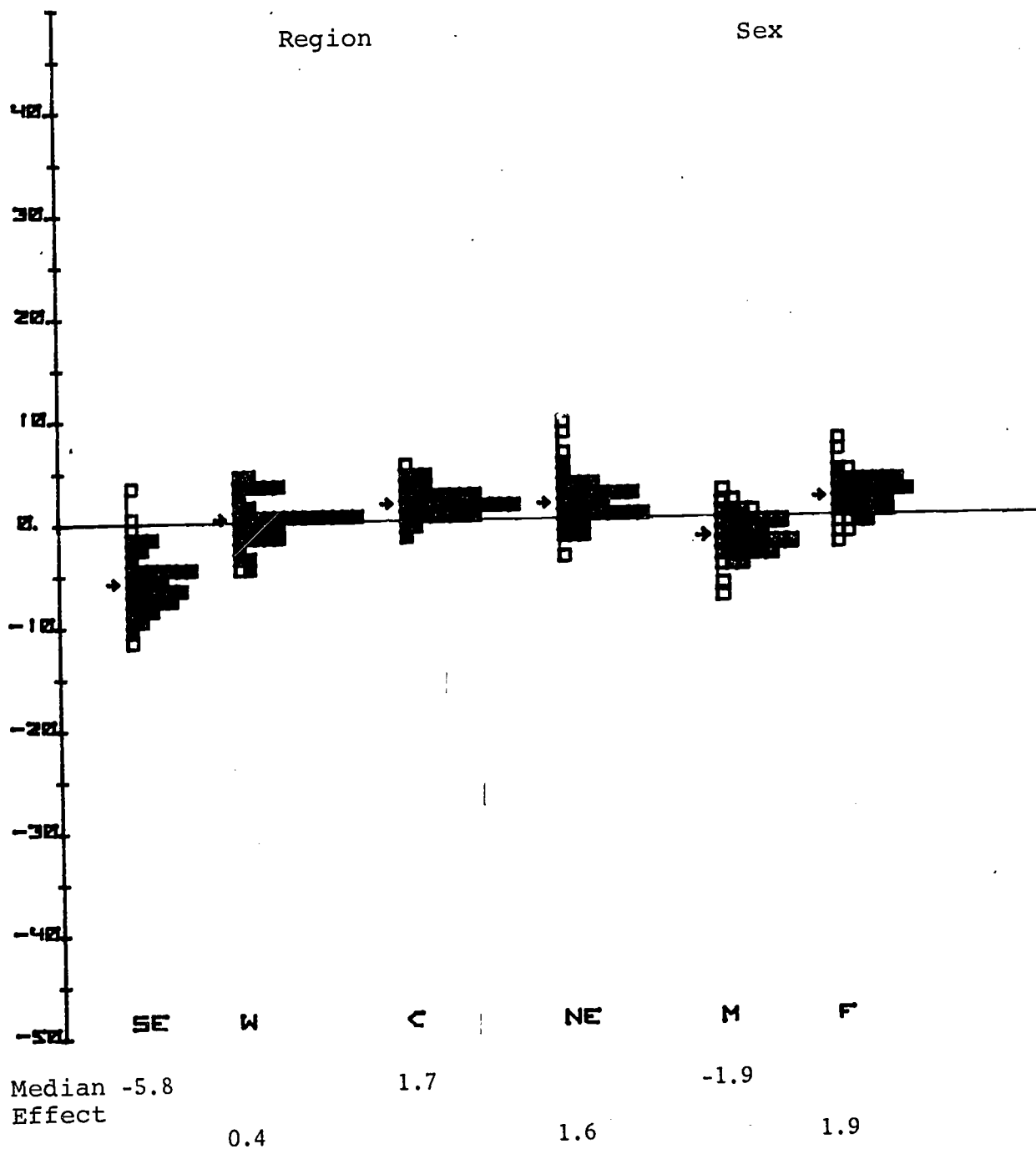


EXHIBIT 5-1B

Distribution of Effects for Age 17

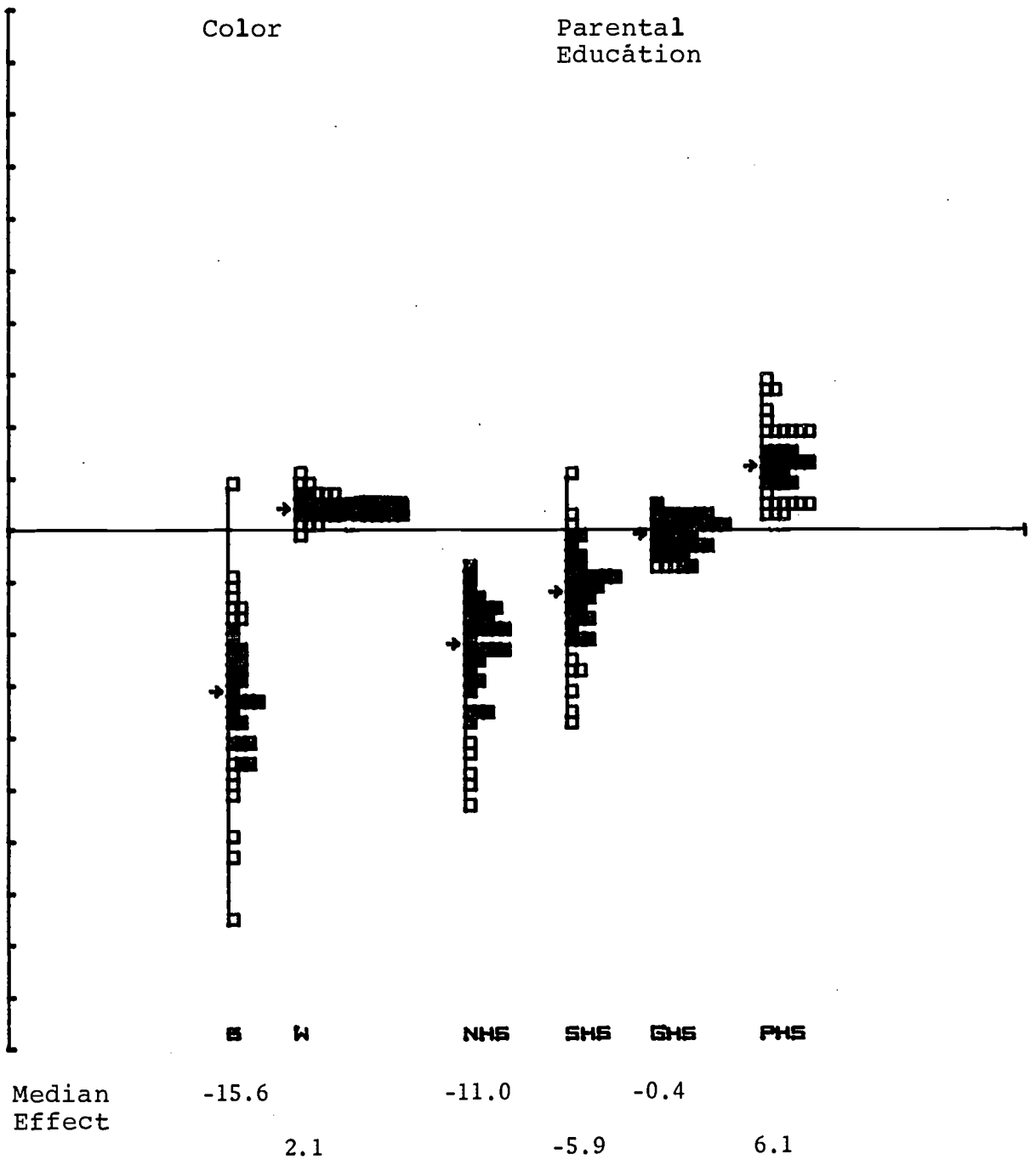
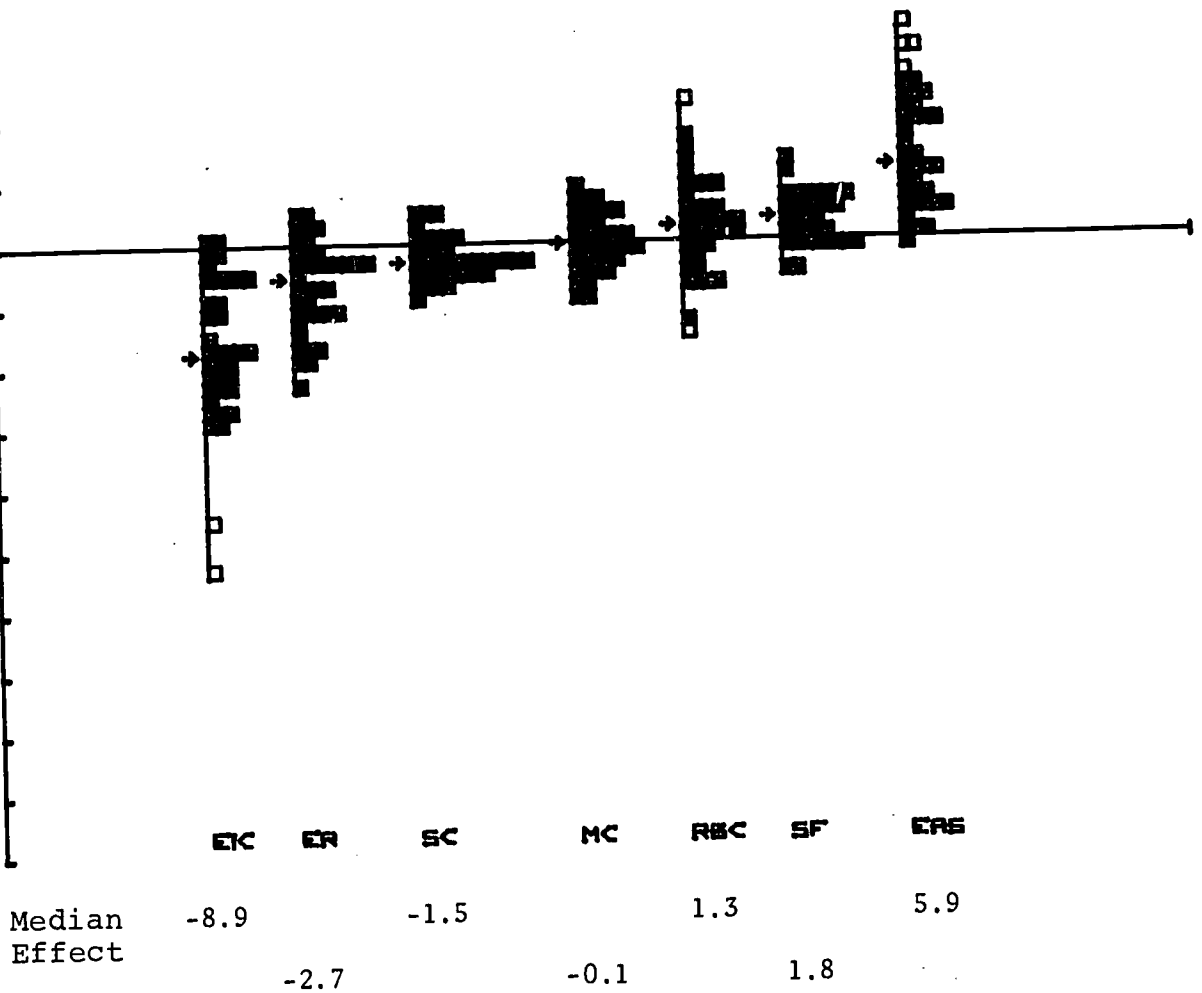


EXHIBIT 5-1C

Distribution of Effects for Age 17

Size and Type of
Community



an X (☒) unless it differs atypically from the group's median level; then it is represented by an open box (☐).

When a group's overall behavior has been described as tending to be above (+) or tending to be below (-), or as characteristically above (++) or characteristically below (--) the national level, a specific behavior for that group can be: (1) atypically farther from the national level than is the group's median level or (2) atypically closer to² the national level.

When a group's overall behavior has been described as tending to be about the same as the national level (0), a specific behavior for that group can be atypically high or low relative to the group's median level.

Region

Southeastern 17-year-olds had a median effect of -5.8 and an overall behavior characteristically below the national level. However, their behavior was atypically closer to the national level on three exercises: U743 required inferring that the people in an auto wreck were dead; R746 required inferring that both Bert and Art **cannot be right**; and R75503 required inferring that Naylor was originally isolated because of deep gorges and rocky trails. They performed atypically farther from the national level on Exercise U73701 that required inferring the state of the arts before 1940.

With a median effect of 0.4, Western 17-year-olds had an overall behavior that tended to be about the same as the national level. However, they performed atypically low on Exercise U73702 that required inferring the privilege of the aristocratic few and Exercise R75201 that required inferring that the "abyss" suburbanites walk along is financial disaster.

The Central and Northeastern 17-year-olds had median effects of 1.7 and 1.6, respectively. The overall behavior of both groups tended to be above the national level. The Central group performed atypically farther from the national level on Exercise U751 that required inferring the author's point of view. The Northeastern group performed atypically farther from the national level

²An atypical effect (or behavior) described as being closer to the national level may be (1) less extreme in the same direction as a group's tendency or characteristic, or (2) it may occur in the opposite direction from the national level as the group's median level.

on three exercises: U73702 required inferring the privilege of the aristocratic few; U745 required inferring what a bird in a comic strip would say if threatened; and Exercise R75202 required inferring that carefully charted debt makes suburbanites feel secure. Their behavior was atypically closer to the national level on Exercise U743 that required inferring that the people in an auto wreck were dead.

Sex

While boys had a median effect of -1.9 and an overall behavior characteristically below the national level, girls had a median effect of 1.9 and an overall behavior characteristically above the national level. However, the behavior of both groups was atypically closer to the national level on five exercises: U736 required inferring the reason two heights of a mountain are given; U740 required inferring the time of discovery of the Martian polar caps; R742 required inferring that the Persian Gulf has many inedible oysters that produce pearls; U743 required inferring that the people in an auto wreck were dead; and R75503 required inferring that Nayon was originally isolated because of deep gorges and rocky trails. The behavior of both groups was atypically farther from the national level on three exercises: R747 required inferring that "deaf heaven" referred to a God who does not hear; U753 required inferring an author's point of view; and R75202 required inferring that carefully charted debt makes suburbanites feel secure.

Color

While Black 17-year-olds had a median effect of -15.6 and an overall behavior characteristically below the national level, White 17-year-olds had a median effect of 2.1 and an overall behavior characteristically above the national level. However, the behavior of both groups was atypically closer to the national level on three exercises: U743 required inferring that the people in an auto wreck were dead; R758 required inferring that eye-glasses are described in a riddle; and R760 required inferring that a flag is described in a riddle. Blacks also performed atypically closer to the national level on five other exercises: U740 required inferring the time of discovery of the Martian polar caps; U74101 required inferring the exact time mentioned in an ad; R754 required inferring that a clock is described in a riddle; R75503 required inferring that Nayon was originally isolated because of deep gorges and rocky paths; and R759 required inferring that scarlet fever is serious because of its side effects.

The behavior of both groups was atypically farther from the national level on five exercises: R729 required inferring that Frangibles would enter into an object to find out about it; R735 required inferring that "fine, neglected novel" means the author had not received the proper recognition; R73801 required inferring that a change in one environmental factor can cause changes in others; R742 required inferring that the Persian Gulf has many inedible oysters that produce pearls; and R747 required inferring that "deaf heaven" refers to a God who does not hear. Blacks also performed atypically farther from the national level on Exercise U736 that required inferring the reason two heights of a mountain are given, and R75202 that required inferring that carefully charted debt makes suburbanites feel secure. Whites also performed atypically farther from the national level on Exercise U73701 that required inferring the state of the arts before 1940.

Parental Education³

The no high school and some high school groups had median effects of -11.0 and -5.9, respectively. The overall behavior of both groups was characteristically below the national level. The no high school group performed atypically farther from the national level on five exercises: R729 required inferring that Frangibles would enter into an object to find out about it; R735 required inferring that "fine, neglected novel" means the author had not received proper recognition; U73701 required inferring the state of the arts before 1940; R742 required inferring that the Persian Gulf has many inedible oysters that produce pearls; and U749 required inferring what is described in a riddle. The some high school group performed atypically farther from the national level on six exercises: R735 required inferring that "fine, neglected novel" meant that the author had not received proper recognition; U73701 required inferring the state of the arts before 1940; U73702 required inferring the privilege of the aristocratic few; R73801 required inferring that a change in one environmental factor can cause changes in others; R742 required inferring that the Persian Gulf has many inedible oysters that produce pearls; and R750 required inferring from a space story that Earthmen were not the only ones to travel in space. However, their behavior was atypically closer to the national level on three exercises: U74103 required inferring the salary for a job from an ad; U743 required inferring that the people in an auto wreck were dead; and R753 required inferring that eyeglasses are described in a riddle.

³See Report 02-GIY, *Reading & Literature: General Information Yearbook* (Washington, DC: Government Printing Office, 1972) p. 15 for definitions of the parental education groups.

The graduated from high school group had a median effect of -0.4 and an overall behavior that tended to be about the same as the national level. Their behavior was atypically low on three exercises: U73702 required inferring the privilege of the aristocratic few; R73801 required inferring that a change in one environmental factor can cause changes in others; and U740 required inferring the time of the discovery of the Martian polar caps.

With a median effect of 6.1, the post high school group had an overall behavior characteristically above the national level. Their behavior was farther from the national level on 11 exercises: R729 required inferring that a Frangible would enter into an object to find out about it; R735 required inferring that "fine, neglected novel" meant that the author had not received proper recognition; U73701 required inferring the state of the arts before 1940; U73702 required inferring the privilege of the aristocratic few; R73801 required inferring that a change in one environmental factor can cause changes in others; R742 required inferring that the Persian Gulf has many inedible oysters that produce pearls; U745 required inferring what a bird in a comic strip would say if threatened; R747 required inferring that "deaf heaven" refers to a God who does not hear; and R750 required inferring from a space story that Earthmen were not the only ones to travel in space. Exercise R75202 required inferring that carefully charted debt makes suburbanites feel secure and R75501 required inferring that the reason for Naylor's self-containment prior to 1940 was due to geographical factors. However, their behavior was atypically closer to the national level on 10 other exercises; U74101, U74102 and U74103, respectively, required inferring from a job ad the exact hours, the minimum age and the salary; U743 required inferring that the people in an auto wreck were dead; R744 required recognizing which paragraph in a story implied the author's love for skiing; R754 required inferring that a clock was described in a riddle; R75503 required inferring that Naylor was originally isolated because of deep gorges and rocky trails; R758 required inferring that eyeglasses are described in a riddle; R759 required inferring that scarlet fever is serious because of its side effects; and R760 required inferring that a flag is described in a riddle.

Size and Type of Community⁴

With a median effect of -8.9, the extreme inner city group had an overall behavior characteristically below the national

⁴See *Report 02-GIY, Reading & Literature: General Information Yearbook* (Washington, DC: Government Printing Office, 1972) p. 16 for definitions of the size and type of community groups.

level. They performed atypically farther from the national level on Exercise R729 that required inferring that a Frangible would enter into an object to find out about it and on Exercise R735 that required inferring that "fine, neglected novel" meant that the author had not received proper recognition.

The extreme rural and small city groups had median effects of -2.7 and -1.5, respectively. The overall behavior of both groups tended to be below the national level. The extreme rural group had no atypical behaviors, but the small city group performed atypically closer to the national level on Exercise U751 that required inferring the author's point of view.

The medium city, rest of big city and suburban fringe groups had median effects of -0.1, 1.3 and 1.8, respectively. The overall behavior of all three groups tended to be about the same as the national level. The medium city and suburban fringe groups had no atypical behaviors. The rest of big city group performed atypically high on Exercise R744 that required recognizing the paragraph in a story that implies that the author loves skiing. They performed atypically low on Exercise R742 that required inferring that the Persian Gulf has many inedible oysters that produce pearls.

With a median effect of 5.9, the extreme affluent suburb group had an overall behavior characteristically above the national level. Their behavior was atypically farther from the national level on four exercises: R735 required inferring that "fine, neglected novel" meant that the author had not received proper recognition; U73701 required inferring the state of the arts before 1940; U73702 required inferring the privilege of the aristocratic few; and U745 required inferring what a bird in a comic strip would say if threatened.

* * *

* * *

* * *

The data for each released exercise representing drawing inferences are presented in the following manner. The upper part of the first page shows the exercise number and age level. Then the exercise is shown as it appeared to the respondent except that the correct answer is indicated. The percentage of 17-year-olds choosing each answer is also shown.

The exhibit on the lower part of the page shows the national percentage of success and the percentage of success for each group both tabularly (leftmost column of figures) and graphically (horizontal bars). The second column of figures on the left side of the exhibit shows the effects for all groups with asterisks (*) indicating those that are reliably different from the national

percentage of success. The effects can also be seen graphically. Note the vertical dashed line descending from the end of the national percentage bar. This allows a visual comparison of each group percentage of success with the national percentage of success.

The last page again gives the exercise number and age level. It also gives the objective and major subobjective for which the exercise was written and a brief description of the exercise with unusual or interesting responses pointed out when appropriate.

RELEASED EXERCISES

Nat'l %
Choosing
Each Answer

The author's problem would have been avoided
if he had

Read the passage and complete the sentence on the next page.

Skiing has recently become one of the more popular sports in the United States. Because of its popularity, thousands of winter vacationers are flying north rather than south. In many areas, reservations are required months ahead of time.

I discovered the accommodation shortage through an unfortunate experience. On a sunny Saturday morning I set out from Denver for the beckoning slopes of Aspen, Colorado. After passing signs for other ski areas, I finally reached my destination. Naturally I lost no time in heading for the nearest tow. After a stimulating afternoon of miscalculated stem turns I was famished. Well, one thing led to another and it must have been eight o'clock before I concerned myself with a bed for my bruised and aching bones.

It took precisely one phone call to ascertain the lack of lodgings in the Aspen area. I had but one recourse. My auto and I started the treacherous jaunt over the pass and back towards Denver. Along the way, I went begging for a bed. Finally a jolly tavernkeeper took pity and for only thirty dollars a night allowed me the privilege of staying in a musty, dirty, bathless room above his tavern.

- 4.2% ☐ not tired himself out skiing.
- 1.5% ☐ taken a bus instead of driving.
- 1.4% ☐ looked for food as soon as he arrived.
- 90.6% ☒ arranged for accommodations well ahead of his trip.
- 1.7% ☐ I don't know.
- 0.6% ☐ No response

S01 03 3/1 04*X711011 R1000010

9 13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
90.6	---	NATIONAL		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
84.9	-5.7*	REGION	Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
91.2	0.6		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
91.6	1.0		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
93.4	2.8*		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
87.9	-2.7*	SEX	Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
91.0	2.4*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
70.1	-20.5*	COLOR	Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
93.3	2.7*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78.2	-12.4*	PARENTAL EDUCATION	No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
86.4	-3.2*		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
89.2	-1.4		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
96.4	5.8*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
91.4	---	NATIONAL (17 IS ONLY)		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
92.3	-9.0*	SIZE AND TYPE OF COMMUNITY	Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
83.6	-7.8*		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
90.6	-0.6		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
92.1	0.7		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
93.7	2.4		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
94.9	3.5*		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
95.7	4.3*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 711 -- Age 17

Overlaps: Age 9, 13 and Adult

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

This passage is indirectly concerned with the shortage of accommodations at ski areas, but more specifically, it is concerned with how the author became acquainted with this fact. Ninety-one percent of 17-year-olds were able to infer that the author's problem would have been avoided if he had arranged for accommodations well ahead of his trip.

Read the story and answer the question on the next page.

*Omitted due to
copyright restrictions*

Nat'l %
Choosing
Each Answer

In order to find out about an object which
interested him, what would a Frangible MOST
likely do?

- 3.7% ☐ Take it apart
78.3% ☒ Enter into it
7.4% ☐ Study it scientifically
1.9% ☐ Ask earth scientists about it
5.0% ☐ Wait to see if it would change color
3.4% ☐ I don't know.
0.2% No response

*Space Trip, Martha S. Clapp. Reprinted by permission of Martha
S. Clapp.

S04 14 3/1 02*X729014 R0004010

9 13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
78.3	---	NATIONAL		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		REGION												
70.9	-7.5*		Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78.1	-0.3		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
82.2	3.6*		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
80.1	1.8		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SEX												
78.5	0.1		Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78.2	-0.2		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		COLOR												
41.4	-37.0*		Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
93.3	5.0*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		PARENTAL EDUCATION												
54.7	-23.7*		No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
69.5	-8.8*		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78.9	0.5		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
84.0	9.6*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
79.1	---	NATIONAL (17 IS ONLY)		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SIZE-AND-TYPE OF COMMUNITY												
56.4	-22.7*		Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
79.3	-0.8		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
81.0	1.8		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
76.9	-2.2		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
86.1	7.0*		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
92.1	2.9		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
84.4	5.2*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 729 -- Age 17

Overlaps: Age 9 and 13

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

This story relates the characteristics of Frangibles--inhabitants of the planet Xeno. From these characteristics, 78% of 17-year-olds were able to infer that Frangibles would probably enter into an object in order to find out about it.

Read the poem and answer the question which follows it.

*Omitted due to
copyright
restrictions*

What do the following lines from the poem mean?
Nat'l & Choosing "I see that no one has passed here
Each Answer In a long time."

- 1.6% ☐ The way of truth is popular.
2.6% ☐ People are fascinated by the truth.
4.7% ☐ Truth comes and goes like the wind.
16.7% ☐ The truth is difficult to recognize.
69.2% ☒ Few people are searching for the truth.
4.6% ☐ I don't know.
0.6% No response

*"The Wayfarer," *The New Pocket Anthology of American Verse*,
Stephen Crane. Reprinted by permission of Washington Square Press.

903 15 3/1 05=X733011 R1000010

13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP DIFFERENTIAL	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
69.2	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
		REGION												
65.1	-4.1*		Southeast	*****										
71.4	2.2		West	*****										
71.0	1.8		Central	*****										
68.4	-0.8		Northeast	*****										
		SEX												
65.5	-3.7*		Male	*****										
73.0	3.8*		Female	*****										
		COLOR												
56.7	-12.5*		Black	*****										
71.0	1.8*		White	*****										
		PARENTAL EDUCATION												
56.5	-12.7*		No High School	*****										
58.5	-10.7*		Some High School	*****										
70.7	1.5		Graduated High Sch.	*****										
76.7	7.5*		Post High School	*****										
70.2	---	NATIONAL (1715 ONLY)		*****										
		SIZE-AND-TYPE OF COMMUNITY												
59.9	-10.2		Extreme Inner City	*****										
70.8	0.6		Extreme Rural	*****										
68.4	-1.7		Small City	*****										
63.4	-1.7		Medium City	*****										
73.3	8.2*		Rest of Big City	*****										
67.4	-2.7		Suburban Fringe	*****										
78.4	8.3*		Extreme Aff Suburb	*****										

Exercise 733 -- Age 17

Overlaps: Age 13 and Adult

Objective I: Comprehend what is read.

Subobjective B: Read phrases, clauses and sentences.

This poem about the pathway to truth is cast as an extended metaphor. Sixty-nine percent of 17-year-olds were able to infer from the lines

"I see that no one has passed here
In a long time"

that few people are searching for truth. The 17% who answered "The truth is difficult to recognize" missed the point of the poem: While the pathway to truth may be recognized by many, few choose to follow it.

Exercise 735 -- Age 17

Read the paragraph and answer the question which follows it.

... attempt to label an entire generation is unre-

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instruction

Nat'l ?
Choosing What does the writer suggest when he mentions a
Each Answer "fine, neglected novel"?

- 3.9% ☐ Kerouac had the right idea about the war.
17.5% ☐ Kerouac had a clear understanding of the new
post-war generation.
67.3% ☒ Kerouac had not received the recognition of
"The Town and the City" that was deserved.
9.8% ☐ I don't know.
1.5% No response

*"This is the Beat Generation," *The Character of Prose*, Clellon
Holmes, © 1959 by the New York Times Company. Reprinted by
permission.

S08 11 5/1 03*X735011 R1000010

13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE-----GROUP	PERCENTAGE OF SUCCESS
			0 10 20 30 40 50 60 70 80 90 100
67.7	---	NATIONAL	.....
57.2	-10.1*	REGION Southeast	.....
70.9	3.6	West	.....
70.4	3.2	Central	.....
69.2	1.9	Northeast	.....
64.0	-3.3*	SEX Male	.....
70.6	3.3*	Female	.....
44.6	-22.7*	COLOR Black	.....
71.0	3.7*	White	.....
46.0	-21.3*	PARENTAL EDUCATION No High School	.....
48.6	-18.7*	Some High School	.....
65.5	-1.8	Graduated High Sch.	.....
82.0	14.8*	Post High School	.....
68.0	---	NATIONAL (1715 ONLY)	.....
42.0	-26.0*	SIZE-AND-TYPE OF COMMUNITY Extreme Inner City	.....
62.9	-5.1	Extreme Rural	.....
65.5	-2.5	Small City	.....
70.5	2.5	Medium City	.....
72.6	4.6	Rest Of Big City	.....
70.1	2.3	Suburban Fringe	.....
83.9	15.9*	Extreme Aff Suburb	.....

Exercise 735 -- Age 17

Overlaps: Age 13

Objective I: Comprehend what is read.

Subobjective B: Read phrases, clauses and sentences.

This passage is about the word "beat" as used in the "beat generation." The passage notes that "John Kerouac, the author of a fine, neglected novel 'The Town and the City,'...finally came up with [the word beat]" to describe the generation that went through World War II. Sixty-seven percent of 17-year-olds were able to infer that "fine, neglected novel" means that Kerouac had not received the recognition of "The Town and the City" that was deserved. Eighteen percent said Kerouac had a clear understanding of the new post-war generation which is undoubtedly true but not the answer to the question asked.

Read the passage and answer the questions which follow it.

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73801

Nat'l %
Choosing
Each AnswerWhat does the passage suggest a good farmer
should understand about nature?

- 2.6% ☐ Insects are harmful to plants.
- 7.0% ☐ Birds are not harmful to plants.
- 9.2% ☐ Wheat may be damaged by both animals and other plants.
- 9.0% ☐ The amount of wheat he can raise depends on two factors: birds and insects.
- 70.4% ☒ A change in one factor of plants' surroundings may cause other factors to change.
- 1.7% ☐ I don't know.
- 0.2% No response

*Balance in Nature, Bertha Morris Parker. Reprinted by permission of Harper and Row Publishers.

S02 13 3/1 05*X73801: R1000010

13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
70.4	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
62.5	-7.9*	REGION	Southeast	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
73.5	3.1		West	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
73.2	2.8		Central	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70.4	0.0		Northeast	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
69.8	-0.6	SEX	Male	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
71.0	0.6		Female	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
38.8	-31.6*	COLOR	Black	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
74.7	4.3*		White	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
63.8	-6.5	PARENTAL EDUCATION	No High School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
57.2	-13.2*		Some High School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
66.7	-3.7*		Graduated High Sch.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
82.2	11.8*		Post High School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
71.4	---	NATIONAL (17IS ONLY)		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
61.7	-9.8*	SIZE-AND-TYPE OF COMMUNITY	Extreme Inner City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
69.6	-1.9		Extreme Rural	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
67.6	-3.9*		Small City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
74.9	3.4		Medium City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
68.8	-2.7		Rest Of Big City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
69.5	-2.0		Suburban Fringe	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
93.8	12.4*		Extreme Aff Suburb	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

73802

Nat'l %
Choosing
Each Answer

What important idea about nature does the
writer want us to understand?

- 0.6% ☐ Farmer Brown was worried about the heavy rainfall.
- 1.8% ☐ Nobody needs to have such destructive birds around.
- 0.5% ☐ Farmer Brown didn't want the temperature to change.
- 1.4% ☐ All insects need not only wheat rust but grasshoppers.
- 93.0% ☒ All living things are dependent on other living things.
- 1.7% ☐ I don't know.
- 0.9% No response

S02 13 4/1 05*X738021 R1000010

13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE-----	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
93.0	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
		REGION		*****										
89.0	-4.0*		Southeast	*****										
92.4	-0.7		West	*****										
95.2	2.2*		Central	*****										
94.2	1.2		Northeast	*****										
		SEX		*****										
90.6	-2.4*		Male	*****										
95.5	2.4*		Female	*****										
		COLOR		*****										
79.4	-14.6*		Black	*****										
95.0	2.0*		White	*****										
		PARENTAL EDUCATION		*****										
85.3	-7.7*		No High School	*****										
88.4	-4.6*		Some High School	*****										
93.2	0.2		Graduated High Sch.	*****										
97.4	4.4*		Post High School	*****										
93.4	---	NATIONAL (17 IS ONLY)		*****										
		SIZE-AND-TYPE OF COMMUNITY		*****										
89.6	-4.8		Extreme Inner City	*****										
92.9	-0.5		Extreme Rural	*****										
94.3	0.9		Small City	*****										
92.2	-1.2		Medium City	*****										
94.7	1.3		Rest Of Big City	*****										
93.4	-0.0		Suburban Fringe	*****										
95.3	1.9		Extreme Aff Suburb	*****										

73803 Summary of the two parts

0.2% No response
 5.5% 0 parts correct
 25.2% 1 part correct
 69.1% 2 parts correct

The exhibit below gives the percentages of success and effects for both parts correct.

502 138 1/2 12*Y738030 R0000000

13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE-----GROUP	PERCENTAGE OF SUCCESS										
			0	10	20	30	40	50	60	70	80	90	100
69.1	---	NATIONAL	+	+	+	+	+	+	+	+	+	+	+
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Exercise 738 -- Age 17

Overlaps: Age 13

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

This passage describes the interrelationships among environmental factors and how a change in any one of them can affect many others. On part 73801, 70% of 17-year-olds were able to infer that a good farmer should understand that a change in one factor of plants' surroundings may cause other factors to change. On part 73802, 93% were able to infer that all living things are dependent on other living things. Only 6% were unable to make the correct inference on either part; 25% were correct on one part; and 69% inferred the correct answer on both parts.

Exercise 742 -- Age 17

Read the passage and complete the sentence which follows it.

Between April and October the Persian Gulf is dotted with the small boats of pearl divers. Some seventy-five thousand of them are busy diving down and bringing up pearl-bearing oysters. These oysters are not the kind we eat. The edible oyster produces pearls of little or no value. You may have heard tales of diners who discovered pearls and sold them for great sums of money. These stories are entertaining but not accurate.*

Nat'l %
Choosing The Persian Gulf has many
Each Answer

- 7.8% ☐ large boats of pearl divers.
2.4% ☐ pearl divers who eat oysters.
13.6% ☐ edible oysters that produce pearls.
67.8% ☒ non-edible oysters that produce pearls.
4.8% ☐ edible oysters that do not produce pearls.
2.6% ☐ I don't know.
1.1% No response

*The Real Book about Treasure, Hal Burton. Reprinted by permission of Garden City Books.

S02 03 3/1 04*X742011 R1000010

13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

# OF SUCCESS	GROUP EFFECT	VARIABLE-----GROUP	PERCENTAGE OF SUCCESS										
			0	10	20	30	40	50	60	70	80	90	100
67.8	---	NATIONAL	+	+	+	+	+	+	+	+	+	+	+
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			*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
			*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
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			*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
			*****	*****									

Exercise 742 -- Age 17

Overlaps: Age 13 and Adult

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

From the facts given in this story, 68% of 17-year-olds were able to infer that the Persian Gulf has many inedible oysters that produce pearls. A number of facts must be related in order to arrive at the correct answer. That the Persian Gulf has many oysters must be inferred from "seventy-five thousand pearl divers." That the oysters are inedible must be inferred from "These oysters are not the kind we eat."

Read the passage and answer the question which follows it.

- I Skiing has recently become one of the more popular sports in the United States. Because of its popularity, thousands of winter vacationers are flying north rather than south. In many areas, reservations are required months ahead of time.
- II I discovered the accommodation shortage through an unfortunate experience. On a sunny Saturday morning I set out from Denver for the beckoning slopes of Aspen, Colorado. After passing signs for other ski areas, I finally reached my destination. Naturally I lost no time in heading for the nearest tow. After a stimulating afternoon of miscalculated stem turns I was famished. Well, one thing led to another and it must have been eight o'clock before I concerned myself with a bed for my bruised and aching bones.
- III It took precisely one phone call to ascertain the lack of lodgings in the Aspen area. I had but one recourse. My auto and I started the treacherous jaunt over the pass and back towards Denver. Along the way, I went begging for a bed. Finally a jolly tavernkeeper took pity and for only thirty dollars a night allowed me the privilege of staying in a musty, dirty, bathless room above his tavern.

Nat'l % Choosing Each Answer The author's love for skiing is suggested in which paragraph(s)?

- 9.3% ☐ I
- 50.2% ☒ II
- 3.4% ☐ III
- 9.1% ☐ I and II
- 25.8% ☐ None of the paragraphs
- 0.8% ☐ I don't know.
- 0.9% No response

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13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS
				0 10 20 30 40 50 60 70 80 90 100
50.2	---	NATIONAL		*****
		REGION		
43.9	-6.3*		Southeast	*****
50.3	0.1		West	*****
50.8	0.5		Central	*****
54.1	3.9		Northeast	*****
		SEX		
46.5	-3.7*		Male	*****
53.9	3.7*		Female	*****
		COLOR		
33.4	-16.8*		Black	*****
52.6	2.4*		White	*****
		PARENTAL EDUCATION		
42.4	-7.8*		No High School	*****
44.9	-5.3*		Some High School	*****
51.2	1.0		Graduated High Sch.	*****
53.2	3.0*		Post High School	*****
51.1	---	NATIONAL (17 IS ONLY)		*****
		SIZE-AND-TYPE OF COMMUNITY		
42.7	-8.4		Extreme Inner City	*****
53.8	2.7		Extreme Rural	*****
48.3	-2.8		Small City	*****
50.1	-1.0		Medium City	*****
52.8	11.7*		Rest Of Big City	*****
50.3	-0.8		Suburban Fringe	*****
55.4	4.3		Extreme Aff Suburb	*****

Exercise 744 -- Age 17

Overlaps: Age 13

Objective II: Analyze what is read.

Subobjective C: See the techniques by which the author has created his effects.

This story is concerned primarily with the author's difficulty in obtaining accommodations near a ski area. The second paragraph, however, presents a number of facts from which one may infer the author's love for skiing; 50% of 17-year-olds were able to infer this fact. However, 26% thought none of the paragraphs did, 9% thought paragraph I did and 9% thought both paragraphs I and II did.

Exercise 746 -- Age 17

Read the passage and complete the sentence which follows it.

Art says that the polar ice cap is melting at the rate of 3% per year. Bert says that this isn't true because the polar ice cap is really melting at the rate of 7% per year.

Nat'l %
Choosing Each Answer We know for CERTAIN that

- 0.7% ☐ Art is wrong.
0.5% ☐ Bert is wrong.
2.5% ☐ they are both wrong.
8.6% ☐ they both might be right.
82.5% ☒ they can't both be right.
5.0% ☐ I don't know.
0.2% No response

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13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
82.5	---	NATIONAL		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		REGION												
81.7	-0.8		Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
82.6	0.1		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
88.7	2.2		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
80.6	-1.9		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SEX												
81.9	-0.6		Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
83.2	0.6		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		COLOR												
63.7	-18.8*		Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
95.4	2.9*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		PARENTAL EDUCATION												
73.0	-9.5*		No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78.2	-4.3		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
84.6	2.1		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
88.4	5.9*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
93.3	---	NATIONAL (17IS ONLY)		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SIZE-AND-TYPE OF COMMUNITY												
69.1	-14.2*		Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
84.7	1.4		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
84.2	0.9		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
80.0	-3.3		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
84.7	1.4		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
86.8	3.5*		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
88.8	5.5*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 746 -- Age 17

Overlaps: Age 13

Objective IV: Reason logically from what is read.

Subobjective C: Reason from a general principle to specific instances.

Here Art says the polar ice cap is melting at one rate and Bert says a different rate. From this given information, 83% of 17-year-olds were able to infer that we know for CERTAIN that they both could not be right. The 9% who said they both might be right failed to grasp the concept involved.

Read the poem and answer the question which follows it.

Fortune and Men's Eyes*

Shakespeare

1 When, in disgrace with fortune and men's eyes,
2 I all alone beweep my outcast state,
3 And trouble deaf heaven with my bootless cries,
4 And look upon myself and curse my fate,
5 Wishing me like to one more rich in hope,
6 Featured like him, like him with friends possessed
7 Desiring this man's art, and that man's scope,
8 With what I most enjoy contented least;
9 Yet in these thoughts myself almost despising,
10 Haply I think on thee; and then my state,
11 Like to the lark at break of day arising
12 From sullen earth, sings hymns at heaven's gate;
13 For thy sweet love remembered, such wealth brings
14 That then I scorn to change my state with kings.

Nat'l % What saves this man from wishing to be different
Choosing than he is?
Each Answer

- 5.5% ☐ "Such wealth brings"
9.4% ☐ "Hymns at heaven's gate"
12.1% ☐ "The lark at break of day"
51.9% ☒ "Thy sweet love remembered"
12.2% ☐ "Change my state with kings"

8.2% ☐ I don't know.
0.9% No response

*Sonnet 29, William Shakespeare.

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13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP DIFFERENTIAL	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
51.9	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
		REGION		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
43.0	-8.8*		Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
56.7	4.8		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
54.2	2.3		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
52.5	0.7		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SEX		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
44.6	-7.2*		Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
59.2	7.3*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		COLOR		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
27.6	-24.3*		Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
55.6	3.8*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		PARENTAL EDUCATION		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
34.8	-17.1*		No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
42.4	-9.5*		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
49.3	-2.6		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
62.5	10.6*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
52.8	---	NATIONAL (17YS ONLY)		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SIZE-AND-TYPE OF COMMUNITY		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
40.8	-11.9*		Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
47.5	-5.3		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
50.5	-2.3		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
52.5	-0.2		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
57.8	5.0		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
54.1	1.3		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
64.7	11.9*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 747 -- Age 17

Overlaps: Age 13

Objective I: Comprehend what is read.

Subobjective B: Read phrases, clauses and sentences.

In this Shakespearean sonnet, a man bewails his state but does not wish to be different because as the last two lines state,

For thy sweet love remembered, such wealth brings
That then I scorn to change my state with kings.

Fifty-two percent of 17-year-olds were able to infer that "Thy sweet love remembered" saves the man from wishing to be different than he is.

Exercise 748 -- Age 17

Read the story and complete the sentence which follows it.

My name is Gregory Gotrocks, and I live in Peoria, Illinois. I sell tractors. In June 1952, the Gotrocks Tractor Company (my dad happens to be the president) sent me to Nepal-Tibet to check on our sales office there.

Business was slow and I had a lot of time to kill. I decided to see Mt. Everest so that I could tell everyone back in Peoria that I had seen it.

It was beautiful. I was spellbound. I simply had to see what the view looked like from the top. So I started up the northwest slope. Everyone knows that this is the best route to take. It took me three long hours to reach the top, but the climb was well worth it.*

Nat'l % Choosing Each Answer Gregory Gotrocks went to see Mt. Everest so that he could

- 2.1% ☐ see some friends.
6.6% ☐ sell some tractors.
3.9% ☐ take a picture of it.
0.2% ☐ plant a flag at its base.
83.4% ☒ entertain his friends back home.
3.1% ☐ I don't know.
0.7% No response

*Climbing Mt. Everest, A.J. Lewis.

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13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
83.4	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
		REGION		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
75.9	-4.5*		Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
84.4	0.9		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
82.8	-0.6		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
86.6	3.2*		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SEX		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
79.8	-3.6*		Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
87.1	3.6*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		COLOR		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
69.9	-13.5*		Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
95.5	2.0*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		PARENTAL EDUCATION		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
77.5	-11.0*		No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
77.5	-5.9*		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
82.2	-1.2		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
90.5	7.1*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
83.9	---	NATIONAL (17 IS ONLY)		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SIZE-AND-TYPE OF COMMUNITY		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
75.9	-8.0*		Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
82.8	-1.1		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
82.1	-1.8		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
86.7	2.8		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
82.6	-1.3		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
83.3	-0.6		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
93.8	9.9*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 748 -- Age 17

Overlaps: Age 13

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

Eighty-three percent of 17-year-olds inferred, from the facts given in the second and third paragraphs, that Gregory Gotrocks wanted to see Mt. Everest so that he could entertain his friends back home.

Read the story and answer the question which follows it.

*Omitted due to
copyright restrictions*

Nat'l %
Choosing
Each Answer

Which one of the following seems to be
FALSE?

- 32.5% ☐ The Frangibles had been visited before.
- 3.6% ☐ Space travel had progressed a great deal.
- 5.4% ☐ Xeno was a considerable distance from Earth.
- 40.5% ☒ Earthmen were the only creatures to have traveled in space.
- 10.3% ☐ There was cooperation between inhabitants of various planets.
- 6.9% ☐ I don't know.
- 0.9% ☐ No response

9.

*Space Trip, Martha S. Clapp. Reprinted by permission of Martha S. Clapp.

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13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP DIFFERENTIAL	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
40.4	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
		REGION												
35.5	-4.9*		Southeast	*****										
41.1	0.7		West	*****										
40.7	0.2		Central	*****										
43.4	2.9		North-east	*****										
		SEX												
40.0	-0.5		Male	*****										
40.9	0.5		Female	*****										
		COLOR												
26.5	-12.0*		Black	*****										
42.1	1.6*		White	*****										
		PARENTAL EDUCATION												
22.2	-18.3*		No High School	*****										
27.2	-13.3*		Some High School	*****										
40.0	-0.5		Graduated High Sch.	*****										
49.8	9.3*		Post High School	*****										
41.2	---	NATIONAL (1715 ONLY)		*****										
		SIZE-AND-TYPE OF COMMUNITY												
40.1	-1.0		Extreme Inner City	*****										
32.9	-8.3		Extreme Rural	*****										
40.1	-1.0		Small City	*****										
39.0	-2.2		Medium City	*****										
43.0	1.8		Rest Of Big City	*****										
40.4	-0.7		Suburban Fringe	*****										
50.6	9.4*		Extreme Aff Suburb	*****										

Exercise 750 -- Age 17

Overlaps: Age 13

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

This story tells about a space trip by Earthmen to the planet Xeno, land of the Frangibles. Only 41% of 17-year-olds were able to infer from the fact that the population of Xeno was listed as "friendly" in the Interstellar Gazetteer that the statement "Earthmen were the only creatures to have traveled in space" was FALSE. The 33% who said "The Frangibles had been visited before" was FALSE may have missed the point of the story. According to the passage, however, it is true the Frangibles had never been visited by Earthmen.

Read the passage and answer the questions which follow it.

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Copyright restrictions

75201

Nat'l %
Choosing
Each AnswerWhat is the "abyss" along which the young
couples are marching?

- 1.0% ☐ Nuclear war
7.2% ☐ Unemployment
2.1% ☐ Mental breakdown
79.6% ☒ Financial disaster
0.4% ☐ Catastrophic illness
8.0% ☐ I don't know.
1.8% No response

*The Organisation Man, William H. Whyte, Jr. Reprinted by
permission of Doubleday and Co.

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13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE-----GROUP	PERCENTAGE OF SUCCESS										
			0	10	20	30	40	50	60	70	80	90	100
87.5	---	NATIONAL (1715 ONLY)	+	+	+	+	+	+	+	+	+	+	+
		<u>REGION</u>											
76.1	-4.5*	Southeast	+	+	+	+	+	+	+	+	+	+	+
75.3	-5.2*	West	+	+	+	+	+	+	+	+	+	+	+
42.0	1.5	Central	+	+	+	+	+	+	+	+	+	+	+
86.4	5.9*	Northeast	+	+	+	+	+	+	+	+	+	+	+
		<u>SEX</u>											
77.0	-3.6*	Male	+	+	+	+	+	+	+	+	+	+	+
84.1	3.6*	Female	+	+	+	+	+	+	+	+	+	+	+
		<u>COLOR</u>											
62.1	-18.4*	Black	+	+	+	+	+	+	+	+	+	+	+
93.0	2.4*	White	+	+	+	+	+	+	+	+	+	+	+
		<u>PARENTAL EDUCATION</u>											
56.9	-13.6*	No High School	+	+	+	+	+	+	+	+	+	+	+
74.7	-5.8*	Some High School	+	+	+	+	+	+	+	+	+	+	+
82.0	1.4	Graduated High Sch.	+	+	+	+	+	+	+	+	+	+	+
86.7	5.5*	Post High School	+	+	+	+	+	+	+	+	+	+	+
		<u>SIZE-AND-TYPE OF COMMUNITY</u>											
77.3	-2.7	Extreme Inner City	+	+	+	+	+	+	+	+	+	+	+
79.5	-1.1	Extreme Rural	+	+	+	+	+	+	+	+	+	+	+
77.5	-3.0	Small City	+	+	+	+	+	+	+	+	+	+	+
79.6	-0.9	Medium City	+	+	+	+	+	+	+	+	+	+	+
91.5	1.0	Rest Of Big City	+	+	+	+	+	+	+	+	+	+	+
80.9	0.2	Suburban Fringe	+	+	+	+	+	+	+	+	+	+	+
90.7	9.4*	Extreme Aff Suburb	+	+	+	+	+	+	+	+	+	+	+

75202

Nat'l %
Choosing
Each Answer

What conclusion does the author reach concerning carefully charted debt among young couples in the United States today?

- 1.6% ☐ It is a symbol of love.
- 3.4% ☐ It brings marital happiness.
- 68.8% ☒ It helps them to feel secure.
- 4.9% ☐ It enables them to acquire wealth.
- 6.9% ☐ It provides them with material goods.
- 10.5% ☐ I don't know.
- 3.9% No response

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13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE-----GROUP	PERCENTAGE OF SUCCESS										
			0	10	20	30	40	50	60	70	80	90	100
70.0	---	NATIONAL (17 IS ONLY)	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		<u>REGION</u>											
62.1	-7.9*	Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
67.6	-2.4	West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
71.3	1.3	Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
76.3	6.3*	Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		<u>SEX</u>											
54.3	-5.7*	Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
75.7	5.7*	Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		<u>COLOR</u>											
44.2	-25.8*	Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
73.8	3.4*	White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		<u>PARENTAL EDUCATION</u>											
55.0	-15.0*	No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
63.6	-6.4*	Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
69.9	-1.0	Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78.2	8.2*	Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		<u>SIZE-AND-TYPE OF COMMUNITY</u>											
67.5	-2.4	Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
60.5	-9.5*	Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
67.4	-2.6	Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
70.5	0.5	Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
74.6	4.6	Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
69.3	-0.7	Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
80.5	10.5*	Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

75002 Summary of the two parts

1.6% No response
 11.4% 0 parts correct
 25.5% 1 part correct
 61.5% 2 parts correct

The exhibit below gives the percentages of success and effects for both parts correct.

S05 09B 1/2 12*X752030 U3000000

13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
62.7	---	NATIONAL (1715 ONLY)		+	+	+	+	+	+	+	+	+	+	+
		REGION												
51.2	-9.5*		Southeast	*****										
59.7	-3.0		West	*****										
63.6	0.9		Central	*****										
71.7	8.3*		Northeast	*****										
		SEX												
56.6	-6.1*		Male	*****										
68.7	6.0*		Female	*****										
		COLOR												
32.8	-29.9*		Black	*****										
65.5	3.9*		White	*****										
		PARENTAL EDUCATION												
45.6	-17.1*		No High School	*****										
54.2	-8.5*		Some High School	*****										
61.4	-1.3		Graduated High Sch.	*****										
72.6	9.9*		Post High School	*****										
		SIZE-AND-TYPE OF COMMUNITY												
58.6	-4.1		Extreme Inner City	*****										
54.4	-8.3*		Extreme Rural	*****										
59.7	-3.0		Small City	*****										
62.4	-0.3		Medium City	*****										
67.8	5.1		Rest Of Big City	*****										
62.1	-0.6		Suburban Fringe	*****										
75.3	12.6*		Extreme Aff Suburb	*****										

Exercise 752 -- Age 17

Overlaps: Age 13

75201

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

75202

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

This passage describes the spending habits of suburbanites--committing nearly the entire income to equal monthly payments. On part 75201, 80% of 17-year-olds were able to infer that the abyss along which the young couples are marching is financial disaster. On part 75202, 69% were able to infer that carefully charted debt helps suburbanites feel secure. Thirteen percent of 17-year-olds were not able to make either inference; 26% correctly made only one of the inferences; and 62% were able to make both inferences.

Exercise 754 -- Age 17

Read the verse and fill in the oval beside the object described
in the verse.

You see me when I'm right or wrong;
My face I never hide,
My hands move slowly round and round
And o'er me minutes glide.

Nat'l %
Choosing
Each Answer

- 1.8% ☐ Book
95.7% ☒ Clock
1.0% ☐ Record
0.2% ☐ Table
0.8% ☐ I don't know.
0.5% No response

S01 01 3/1 02*X754014 R0004010

13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP DIFFER	VARIABLE	GROUP	PERCENTAGE OF SUCCESS
				0 10 20 30 40 50 60 70 80 90 100
95.6	---	NATIONAL		.....
		REGION		
91.4	-4.3*		Southeast	.....
96.8	1.1		West	.....
95.3	-0.4		Central	.....
98.4	2.8*		Northeast	.....
		SEX		
93.3	-2.4*		Male	.....
97.7	2.1*		Female	.....
		COLOR		
87.2	-8.5*		Black	.....
96.7	1.0*		White	.....
		PARENTAL EDUCATION		
86.4	-9.3*		No High School	.....
92.7	-2.9*		Some High School	.....
96.1	0.4		Graduated High Sch.	.....
98.4	2.7*		Post High School	.....
95.9	---	NATIONAL (17 IS ONLY)		.....
		SIZE-AND-TYPE OF COMMUNITY		
95.1	-0.8		Extreme Inner City	.....
92.1	-3.8*		Extreme Rural	.....
94.5	-1.4		Small City	.....
95.9	-0.0		Medium City	.....
96.8	0.9		Rest Of Big City	.....
97.2	1.3		Suburban Fringe	.....
99.1	3.3*		Extreme Aff Suburb	.....

Exercise 754 -- Age 17

Overlaps: Age 13

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

Ninety-six percent of 17-year-olds were able to infer that a clock was described in this riddle.

Read the passage and answer the questions which follow it.

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copyright restrictions

75501

Nat'l %
Choosing
Each AnswerWhy was there primitiveness and self-con-
tainment in Nayon before 1910?

- 10.3% ☐ Social mores
33.5% ☐ Cultural tradition
3.5% ☐ Biological instincts
44.6% ☒ Geographical factors
1.9% ☐ Religious regulations
5.3% ☐ I don't know.
1.0% No response

"The Village in an Industrial World," *Scientific Monthly*,
August 1953. Reprinted by permission of the publisher.

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S10 09 3/1 04*Y755011 R100001D

13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE-----GROUP	PERCENTAGE OF SUCCESS										
			0	10	20	30	40	50	60	70	80	90	100
44.6	---	NATIONAL	*****	+	+	+	+	+	+	+	+	+	+
		REGION											
35.0	-9.6*	Southeast	*****										
47.6	3.0	West	*****										
48.0	3.4	Central	*****										
45.9	1.2	Northeast	*****										
		SEX											
44.9	-0.6	Male	*****										
45.2	0.5	Female	*****										
		COLOR											
24.3	-20.1*	Black	*****										
47.5	2.9*	White	*****										
		PARENTAL EDUCATION											
29.7	-14.0*	No High School	*****										
34.3	-10.3*	Some High School	*****										
41.7	-2.9*	Graduated High Sch.	*****										
54.3	9.7*	Post High School	*****										
45.7	---	NATIONAL (17 IS ONLY)	*****										
		SIZE-AND-TYPE OF COMMUNITY											
32.5	-13.2*	Extreme Inner City	*****										
36.3	-9.4	Extreme Rural	*****										
45.7	0.0	Small City	*****										
49.7	4.0	Medium City	*****										
42.5	-3.2	Rest Of Big City	*****										
51.6	5.9*	Suburban Fringe	*****										
52.2	6.5	Extreme Aff Suburb	*****										

75502

Nat'l %
Choosing
Each Answer

By 1948 the village of Nayon was

- 14.7% ☐ a self-sufficient village.
- 3.2% ☐ out of touch with the outside world.
- 23.5% ☒ a small dependent portion of a larger economic unit.
- 53.8% ☐ a rapidly growing and sound social and cultural unit.
- 3.0% ☐ I don't know.
- 1.9% No response

S10 09 4/1 03*X755024 80004010

13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
23.4	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
17.6	-5.8*	REGION		+	+	+	+	+	+	+	+	+	+	+
27.3	3.9		Southeast	+	+	+	+	+	+	+	+	+	+	+
26.0	2.5		West	+	+	+	+	+	+	+	+	+	+	+
21.9	-1.6		Central	+	+	+	+	+	+	+	+	+	+	+
			Northeast	+	+	+	+	+	+	+	+	+	+	+
21.4	-2.1*	SEX		+	+	+	+	+	+	+	+	+	+	+
25.5	2.0*		Male	+	+	+	+	+	+	+	+	+	+	+
			Female	+	+	+	+	+	+	+	+	+	+	+
11.8	-11.7*	COLOR		+	+	+	+	+	+	+	+	+	+	+
25.2	1.8*		Black	+	+	+	+	+	+	+	+	+	+	+
			White	+	+	+	+	+	+	+	+	+	+	+
15.9	-7.5*	PARENTAL EDUCATION		+	+	+	+	+	+	+	+	+	+	+
17.0	-6.5*		No High School	+	+	+	+	+	+	+	+	+	+	+
20.7	-2.7*		Some High School	+	+	+	+	+	+	+	+	+	+	+
29.7	6.2*		Graduated High Sch.	+	+	+	+	+	+	+	+	+	+	+
			Post High School	+	+	+	+	+	+	+	+	+	+	+
23.9	---	NATIONAL (17IS ONLY)		+	+	+	+	+	+	+	+	+	+	+
15.4	-8.4*	SIZE-AND-TYPE OF COMMUNITY		+	+	+	+	+	+	+	+	+	+	+
20.7	-3.2		Extreme Inner City	+	+	+	+	+	+	+	+	+	+	+
21.9	-2.0		Extreme Rural	+	+	+	+	+	+	+	+	+	+	+
23.3	-0.6		Small City	+	+	+	+	+	+	+	+	+	+	+
24.4	0.5		Medium City	+	+	+	+	+	+	+	+	+	+	+
30.2	6.3*		Rest Of Big City	+	+	+	+	+	+	+	+	+	+	+
29.6	5.7*		Suburban Fringe	+	+	+	+	+	+	+	+	+	+	+
			Extreme Aff Suburb	+	+	+	+	+	+	+	+	+	+	+

75503

Nat'l %
Choosing
Each Answer

Why was Nayon originally separated from its
neighbors?

- 8.2% ☐ Rich arable land
- 3.6% ☐ Long meandering streams
- 10.1% ☐ Artificial political barriers
- 16.6% ☐ Broad stretches of arid desert
- 28.7% ☒ Deep rugged gorges traversed by rock trails
- 30.2% ☐ I don't know.
- 2.5% No response

S10 09 5/1 05*X755034 P0004010

13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
29.7	---	NATIONAL		*****										
		<u>REGION</u>												
29.5	0.8		Southeast	*****										
29.1	0.4		West	*****										
29.5	0.8		Central	*****										
25.8	-1.5		Northeast	*****										
		<u>SEX</u>												
31.1	2.4*		Male	*****										
26.3	-2.4*		Female	*****										
		<u>COLOR</u>												
22.1	-6.6*		Black	*****										
20.5	0.8*		White	*****										
		<u>PARENTAL EDUCATION</u>												
20.1	-8.6*		No High School	*****										
22.1	-6.6*		Some High School	*****										
30.5	1.8		Graduated High Sch.	*****										
31.1	2.4*		Post High School	*****										
29.0	---	NATIONAL (1715 ONLY)		*****										
		<u>SIZE-AND-TYPE OF COMMUNITY</u>												
26.6	-2.4		Extreme Inner City	*****										
31.1	2.2		Extreme Rural	*****										
27.5	-1.4		Small City	*****										
29.4	0.4		Medium City	*****										
28.6	-0.4		Rest Of Big City	*****										
31.7	2.7		Suburban Fringe	*****										
28.6	-0.3		Extreme Aff Suburb	*****										

75504 Summary of the three parts

0.9% No response
 34.4% 0 parts correct
 38.3% 1 part correct
 20.6% 2 parts correct
 5.7% 3 parts correct

The exhibit below shows the percentages of success and effects for all three parts correct.

S10 09B 1/2 13*755040 80000000

13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
5.7	---	NATIONAL		*****	+	+	+	+	+	+	+	+	+	+
		REGION												
3.8	-1.9*		Southeast	****										
7.8	2.1*		West	*****										
6.1	0.4		Central	*****										
5.1	-0.7		Northeast	*****										
		SEX												
6.2	0.5		Male	*****										
5.3	-0.4		Female	*****										
		COLOR												
2.0	-3.7*		Black	***										
6.3	0.5*		White	*****										
		PARENTAL EDUCATION												
3.5	-2.3		No High School	****										
3.1	-2.5*		Some High School	****										
4.0	-1.8*		Graduated High Sch.	****										
8.8	3.1*		Post High School	*****										
5.9	---	NATIONAL (1715 ONLY)		*****										
		SIZE-AND-TYPE OF COMMUNITY												
3.2	-2.8*		Extreme Inner City	****										
4.2	-1.8		Extreme Rural	****										
5.2	-0.8		Small City	*****										
7.2	1.3		Medium City	*****										
4.9	-1.0		Rest Of Big City	*****										
8.8	2.9*		Suburban Fringe	*****										
5.9	0.0		Extreme Aff Suburb	*****										

Exercise 755 -- Age 17

Overlaps: Age 13 and Adult

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

This passage describes various changes in the Andean village of Nayon during the early twentieth century. On part 75501, 45% of 17-year-olds were able to infer that Nayon was primitive and self-contained before 1910 because of geographical factors. Thirty-four percent chose the response "cultural tradition." On part 75502, 24% were able to infer that by 1948 Nayon was a small, dependent portion of a larger economic unit. Fifty-four percent were partially correct in saying Nayon was "a rapidly growing and sound social and cultural unit." On part 75503, 29% were able to infer that Nayon was originally separated from its neighbors because of deep gorges and rocky trails. Thirty percent said "I don't know" to this third part. Thirty-five percent of 17-year-olds failed to make correct inferences on any part; 38% made a correct inference on only one part; 21% made correct inferences on two parts; and 6% made correct inferences on all three parts.

Exercise 756 -- Age 17

Read the passage and answer the question on the next page.

Nat'l %
Choosing
Each Answer

Which of the following BEST explains the
kind of human behavior described?

- 5.0% ☐ "Not merely...greed for goods."
25.7% ☒ "In self-entrapment, is security..."
8.4% ☐ "...obligations are homogenized..."
15.4% ☐ "Suburbanites are not irresponsible."
39.3% ☐ "They are extremely budget-conscious."
5.9% ☐ I don't know.
0.4% No response

*The Organisation Man, William H. Whyte, Jr. Reprinted by permission of Doubleday and Co.

S04 12 3/1 02*X756011 R1900070

13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	0	10	20	30	40	50	60	70	80	90	100
25.7	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
18.8	-6.9*	REGION	Southeast	*****										
29.0	3.3		West	*****										
28.1	2.4		Central	*****										
25.5	-0.2		Northeast	*****										
24.8	-0.9	SEX	Male	*****										
26.7	1.0		Female	*****										
11.8	-13.9*	COLOR	Black	*****										
27.5	1.8*		White	*****										
14.4	-11.3*	PARENTAL EDUCATION	No High School	*****										
19.8	-5.9*		Some High School	*****										
24.1	-1.6		Graduated High Sch.	*****										
32.0	6.3*		Post High School	*****										
25.7	---	NATIONAL (17 IS ONLY)		*****										
13.9	-11.9*	SIZE AND TYPE OF COMMUNITY	Extreme Inner City	*****										
23.9	-1.8		Extreme Rural	*****										
21.5	-4.3*		Small City	*****										
25.4	0.7		Medium City	*****										
28.8	3.1		Rest Of Big City	*****										
28.6	2.8		Suburban Fringe	*****										
34.8	9.1*		Extreme Aff Suburb	*****										

Exercise 756 -- Age 17

Overlaps; Age 13 and Adult

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

This passage (same as in Exercise 752) describes the spending habits of suburbanites--committing nearly the entire income to equal monthly payments. Only 26% of 17-year-olds were able to infer that "In self-entrapment is security" best explains the described human behavior of suburbanites. Thirty-nine percent said suburbanites are extremely budget-conscious. This response describes but does not explain the behavior.

Exercise 757 -- Age 17

Read the passage and answer the question which follows it.

Nat'l % Choosing Each Answer	What does the author describe about Helen Keller?
1.6%	<input type="radio"/> Her habits
0.7%	<input type="radio"/> Her friends
1.6%	<input type="radio"/> Her appearance
1.0%	<input type="radio"/> Her frustrations
94.0%	<input checked="" type="radio"/> Her accomplishments
0.7%	<input type="radio"/> I don't know.
0.4%	No response

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S01 08 3/ 35*X757011 R1000010

17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
94.0	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
		REGION												
87.2	-6.8*		Southeast											
95.4	1.4		West											
95.3	1.3		Central											
96.7	2.7*		Northeast											
		SEX												
91.5	-2.5*		Male											
96.2	2.2*		Female											
		COLOR												
77.6	-16.4*		Black											
96.1	2.1*		White											
		PARENTAL EDUCATION												
92.9	-11.0*		No High School											
91.8	-2.1		Some High School											
93.7	-0.3		Graduated High Sch.											
98.1	4.1*		Post High School											
94.7	---	NATIONAL (17-18 ONLY)												
		SIZE-AND-TYPE OF COMMUNITY												
88.8	-5.8*		Extreme Inner City											
90.3	-4.3*		Extreme Rural											
93.1	-1.5		Small City											
96.0	1.3		Medium City											
97.4	2.7*		Rest of Big City											
96.8	2.2*		Suburban Fringe											
97.3	2.6*		Extreme Aff Suburb											

Exercise 757 -- Age 17

Overlaps: Adult

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

This passage describes how Helen Keller became blind and deaf and the ways in which she overcame these handicaps. Ninety-four percent of 17-year-olds were able to infer that this passage regarded Helen Keller's accomplishments.

Exercise 758 -- Age 17

Read the verse and fill in the oval beside the object described
in the verse.

I have two eyes and when I'm worn
I give the wearer four.
I'm strong or weak or thick or thin--
Need I say much more?

Nat'l %
Choosing
Each Answer

- 0.8% ☐ Clock
96.5% ☒ Eyeglasses
0.5% ☐ Piano
1.1% ☐ Thermometer
1.2% ☐ I don't know.
0.1% No response

S06 05 3/1 02*X759014 R0004010

17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
96.4	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
		REGION		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
95.2	-1.3*		Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
94.3	-1.5		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
98.0	1.6*		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
96.9	0.4		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SEX		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
95.2	-1.2*		Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
97.7	1.2*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		COLOR		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
91.7	-4.8*		Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
97.0	0.6*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		PARENTAL EDUCATION		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
92.9	-3.6		No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
96.6	0.1		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
96.7	0.3		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
98.4	2.0*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
96.6	---	NATIONAL (17IS ONLY)		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SIZE-AND-TYPE OF COMMUNITY		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
93.9	-2.6		Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
94.9	-1.7		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
96.7	0.1		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
95.8	-0.8		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
95.7	-0.9		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
98.0	1.4		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
99.4	2.8*		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 758 -- Age 17

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

From the information given in this riddle, 97% of 17-year-olds were able to infer that eyeglasses are described.

Exercise 759 -- Age 17

Read the passage and answer the question which follows it.

Nat'l %
Choosing
Each Answer

How does the author tell us that scarlet fever may
be a serious disease?

- 1.7% ☐ He tells how many people die of it.
1.1% ☐ He tells that he once had the disease.
1.8% ☐ He tells that hands and feet may fall off.
90.9% ☒ He tells how other infections may come with
scarlet fever.
3.1% ☐ I don't know.
1.3% No response

*Golden Home and High School Encyclopedia, Vol. 16. Reprinted by
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17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
90.9	---	NATIONAL (17 IS ONLY)		+	+	+	+	+	+	+	+	+	+	+
		<u>REGION</u>												
85.0	-4.9*		Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
91.6	0.7		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
91.8	0.9		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
93.0	2.2		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		<u>SEX</u>												
87.1	-3.8*		Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
94.5	3.7*		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		<u>COLOR</u>												
83.8	-7.0*		Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
91.8	1.0*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		<u>PARENTAL EDUCATION</u>												
81.6	-9.3*		No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
85.6	-4.2		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
92.1	1.2		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
93.6	2.8*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		<u>SIZE-AND-TYPE OF COMMUNITY</u>												
90.5	-0.4		Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
87.0	-3.9		Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
88.5	-2.3		Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
90.6	-0.3		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
93.4	2.5*		Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
93.8	2.9*		Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
93.0	2.1		Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 759 -- Age 17

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

This passage describes scarlet fever from early symptoms through diagnosis and treatment to accompanying side effects. It is these side effects--infections of the ear and throat, inflammation of the kidneys, pneumonia and inflammation of the heart--from which 91% of 17-year-olds inferred that scarlet fever may be a serious disease.

Exercise 760 -- Age 17

Read the verse and fill in the oval beside the object described
in the verse.

I have no wings by often fly:
I come in colors many.
From varied nationalities
Respect get I a-plenty.

Nat'l %
Choosing
Each Answer

- 0.8% ☐ Deck of cards
1.0% ☐ Eyeglasses
96.9% ☒ Flag
0.2% ☐ Needles
0.9% ☐ I don't know.
0.1% No response

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17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE-----GROUP	PERCENTAGE OF SUCCESS										
			0	10	20	30	40	50	60	70	80	90	100
97.4	---	NATIONAL (17 IS ONLY)	+	+	+	+	+	+	+	+	+	+	+
		REGION											
96.0	-1.4	Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
77.6	0.2	West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
98.0	0.6	Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
97.7	0.3	Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SEX											
97.0	-0.4	Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
97.8	0.4	Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		COLOR											
93.0	-4.4*	Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
99.1	0.6*	White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		PARENTAL EDUCATION											
93.3	-4.1*	No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
97.3	-0.1	Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
97.7	-0.2	Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
99.2	1.7*	Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		SIZE-AND-TYPE OF COMMUNITY											
94.9	-2.5	Extreme Inner City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
96.2	-1.2	Extreme Rural	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
96.9	-0.5	Small City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
98.3	0.9	Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
98.6	1.2	Rest Of Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
99.1	0.6	Suburban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
99.1	0.7	Extreme Aff Suburb	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 760 -- Age 17

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

From the facts given in this riddle, 97% of 17-year-olds were able to infer that a flag is described.

CHAPTER 6

RESULTS FOR YOUNG ADULTS

The young adults (ages 26-35) participating in the 1970-71 Reading assessment were born between April 1, 1935, and March 31, 1945.

First, we describe each group's overall behavior on the Theme 7 exercises, then we indicate those exercises on which the group's performance differs atypically from the group's median level. Finally, we present each released exercise and an exhibit showing the results for each group on that exercise.

Twelve specific effects (behaviors) on drawing inferences are summarized at the young adult level. Eight of these represent released exercises and are described in detail. The other four behaviors represent unreleased exercises to be used in future assessments. Exhibit 6-1 shows the distribution of the 12 effects for each group relative to the national level indicated by the \emptyset line. A group's median level is indicated by an arrow (\rightarrow). Each specific behavior is indicated by a box with an X (\boxtimes) unless it differs atypically from the group's median level; then it is represented by an open box (\square).

When a group's overall behavior has been described as tending to be above (+) or tending to be below (-), or as characteristically above (++) or characteristically below (--) the national level, a specific behavior for that group can be: (1) atypically farther from the national level than is the group's median level or (2) atypically closer to¹ the national level.

When a group's overall behavior has been described as tending to be about the same as the national level (0), a specific behavior can be atypically high or low relative to the group's median level.

¹An atypical effect (or behavior) described as being closer to the national level may be (1) less extreme in the same direction as a group's tendency or characteristic, or (2) it may occur in the opposite direction from the national level as the group's median level.

EXHIBIT 6-1A

Distribution of Effects for Adults

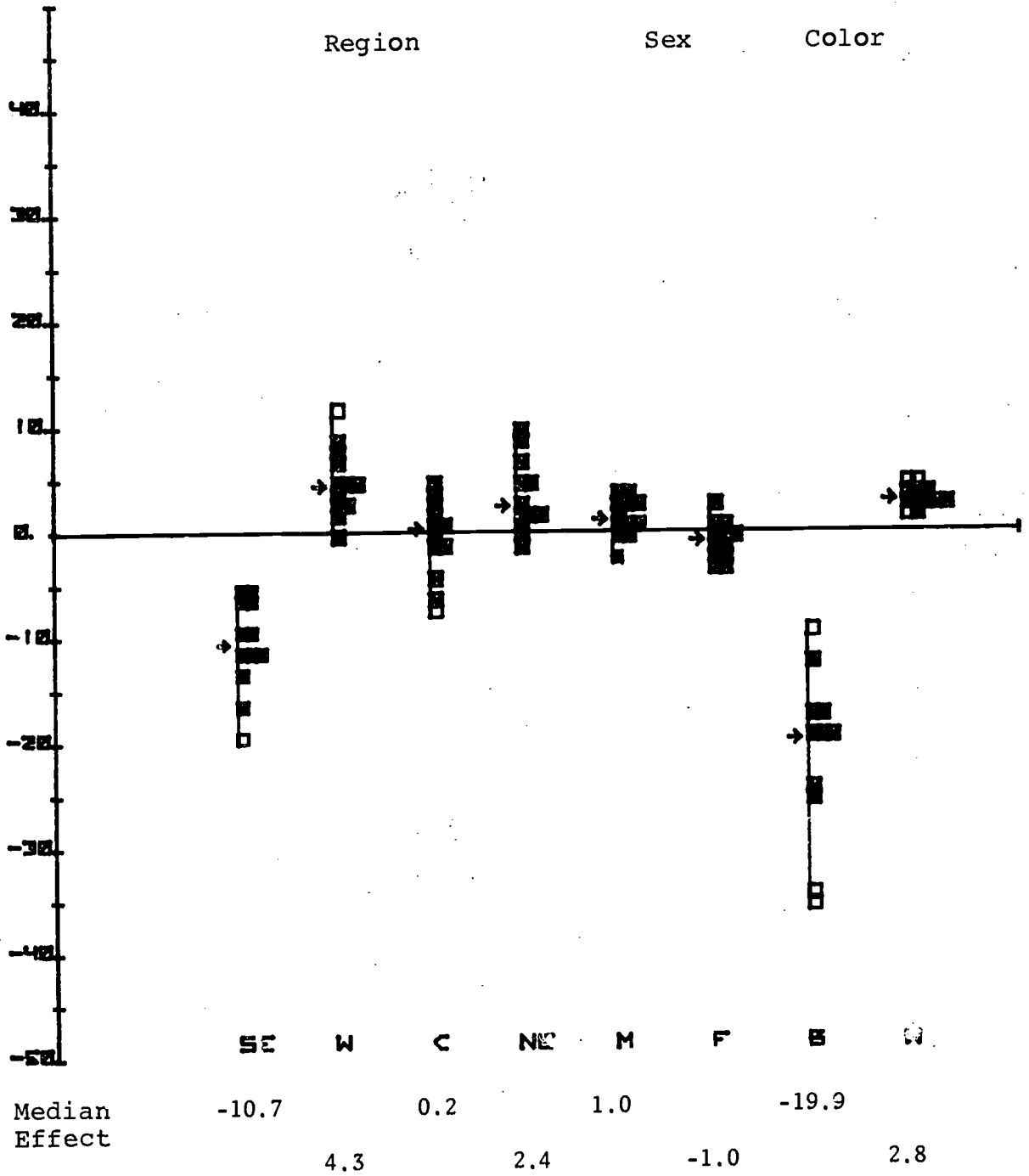
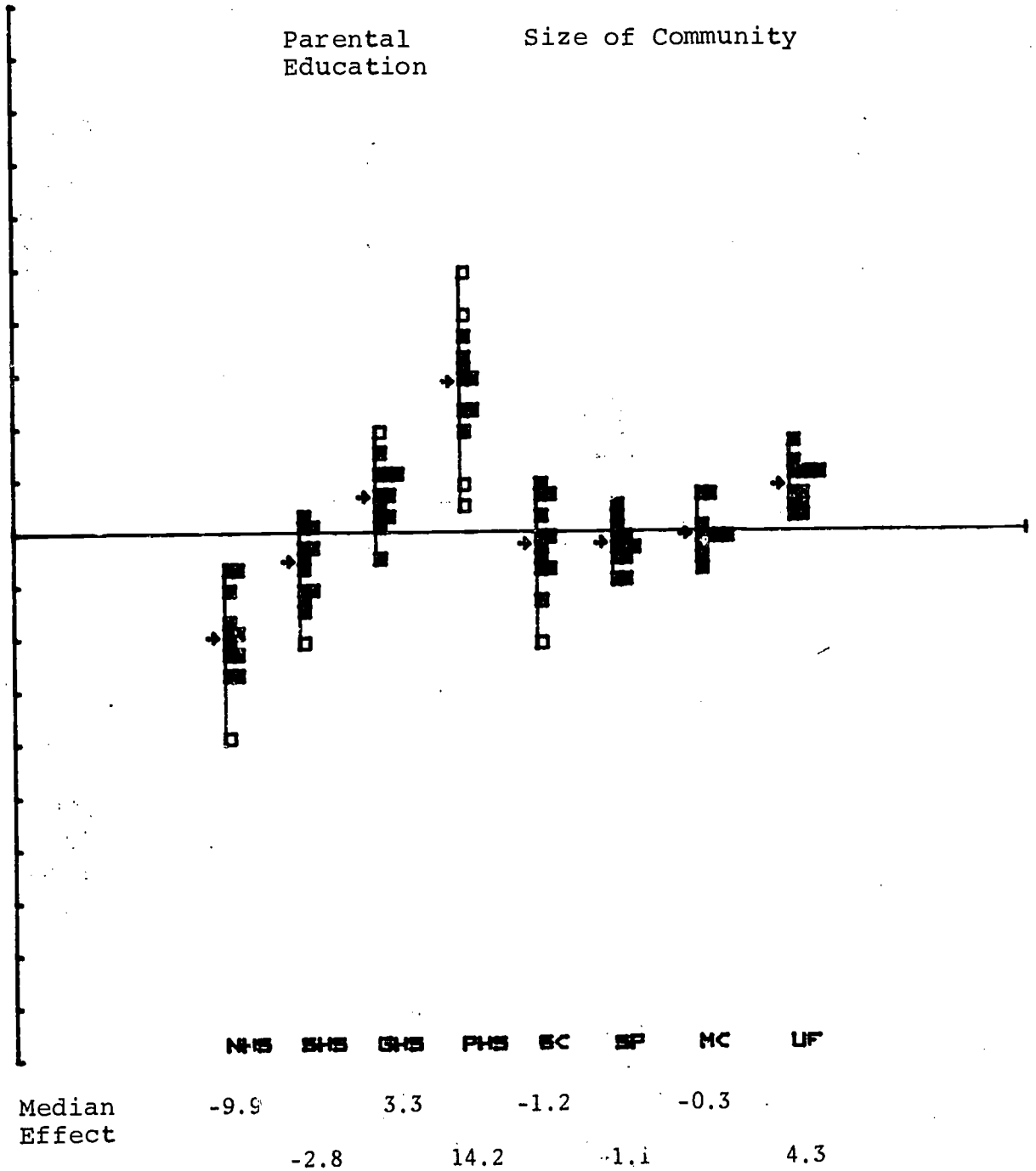


EXHIBIT 6-1B

Distribution of Effects for Adults



Region

With a median effect of -10.7, Southeastern young adults had an overall behavior characteristically below the national level. They performed atypically farther from the national level on Exercise U73701 that required inferring the state of the arts before 1940.

The Central young adults had a median effect of 0.2 and an overall behavior tending to be about the same as the national level. They performed atypically low on Exercise U745 that required inferring what a bird in a comic strip would say if threatened.

The Western and Northeastern young adults had median effects of 4.3 and 2.4, respectively. The overall behavior of both groups tended to be above the national level. While Western young adults performed atypically farther from the national level on Exercise U73701 that required inferring the state of the arts prior to 1940, the Northeastern group performed atypically farther from the national level on Exercise U73702 that required inferring the privilege of the aristocratic few.

Sex

While the men had a median effect of 1.0 and an overall behavior that tended to be above the national level, the women had a median effect of -1.1 and an overall behavior that tended to be below the national level. Neither group had any atypical behaviors.

Color

While Black young adults had a median effect of -19.9 and an overall behavior characteristically below the national level, White young adults had a median effect of 2.8 and an overall behavior characteristically above the national level. The behavior of both groups was atypically farther from the national level on Exercise U73701 that required inferring the state of the arts before 1940 and on Exercise R742 that required inferring that the Persian Gulf has many inedible oysters that produce pearls. Blacks performed atypically closer to the national level on Exercise R757 that required inferring that a story regarding Helen Keller was about her accomplishments. Whites performed atypically closer to the national level on Exercise R75503 that required inferring that Naylor was originally isolated because of deep gorges and rocky trails.

Parental Education²

With a median effect of -9.9, the no high school group had an overall behavior characteristically below the national level. Their behavior was atypically farther from the national level on Exercise U73701 that required inferring the state of the arts before 1940.

The some high school group had a median effect of -2.8 and an overall behavior that tended to be below the national level. They performed atypically farther from the national level on Exercise R756 that required inferring that suburbanite behavior is explained by "In self-entrapment is security."

With a median effect of 3.3, the graduated from high school group had an overall behavior tending to be above the national level. They performed atypically farther from the national level on Exercise U73701 that required inferring the state of the arts prior to 1940.

The post high school group had a median effect of 14.2 and an overall behavior characteristically above the national level. Their behavior was atypically farther from the national level on Exercise U73701 that required inferring the state of the arts before 1940 and on Exercise R756 that required inferring that suburbanite behavior is explained by "In self-entrapment is security." However, they performed atypically closer to the national level on Exercise R711 that required inferring that the author of a ski story should have arranged for accommodations and on Exercise R757 that required inferring that a story regarding Helen Keller was about her accomplishments.

Size of Community³

The big city, smaller place and medium city groups had median effects of -1.2, -1.1 and -0.3, respectively. The overall behavior of all three groups tended to be about the same as the national level. The big city group performed atypically low on Exercise R742 that required inferring that the Persian Gulf has

²See Report 02-GIY, *Reading & Literature: General Information Yearbook* (Washington, DC: Government Printing Office, 1972) p. 15 for definitions of the parental education groups.

³See Report 02-GIY, *Reading & Literature: General Information Yearbook* (Washington, DC: Government Printing Office, 1972) p. 17 for definitions of the size of community groups.

many inedible oysters that produce pearls. The smaller place and medium city groups had no atypical behaviors.

The urban fringe group had a median effect of 4.3 and an overall behavior tending to be above the national level. They had no atypical behaviors.

* * *

* * *

* * *

The data for each released exercise representing drawing inferences are presented in the following manner. The upper part of the first page shows the exercise number and age level. Then the exercise is shown as it appeared to the respondent except that the correct answer is indicated. The percentage of young adults choosing each answer is also shown.

The exhibit on the lower part of the page shows the national percentage of success and the percentage of success for each group both tabularly (leftmost column of figures) and graphically (horizontal bars). The second column of figures on the left side of the exhibit shows the effects for all groups with asterisks (*) indicating those that are reliably different from the national percentage of success. The effects can also be seen graphically. Note the vertical dashed line descending from the end of the national percentage bar. This allows a visual comparison of each group percentage of success with the national percentage of success.

The last page again gives the exercise number and age level. It also gives the objective and major subobjective for which the exercise was written and a brief description of the exercise with unusual or interesting responses pointed out when appropriate.

RELEASED EXERCISES

Exercise 711 -- Adult

Nat'l %
Choosing
Each Answer

The author's problem would have been
avoided if he had

Read the passage and complete the sentence on the next page.

Skiing has recently become one of the more popular sports in the United States. Because of its popularity, thousands of winter vacationers are flying north rather than south. In many areas, reservations are required months ahead of time.

I discovered the accommodation shortage through an unfortunate experience. On a sunny Saturday morning I set out from Denver for the beckoning slopes of Aspen, Colorado. After passing signs for other ski areas, I finally reached my destination. Naturally I lost no time in heading for the nearest tow. After a stimulating afternoon of miscalculated stem turns I was famished. Well, one thing led to another and it must have been eight o'clock before I concerned myself with a bed for my bruised and aching bones.

It took precisely one phone call to ascertain the lack of lodgings in the Aspen area. I had but one recourse. My auto and I started the treacherous jaunt over the pass and back towards Denver. Along the way, I went begging for a bed. Finally a jolly tavernkeeper took pity and for only thirty dollars a night allowed me the privilege of staying in a musty, dirty, bathless room above his tavern.

- 1.9% ☐ not tired himself out skiing.
1.8% ☐ taken a bus instead of driving.
0.9% ☐ looked for food as soon as he arrived.
93.0% ☒ arranged for accommodations well ahead of his trip.
0.9% ☐ I don't know.
1.4% No response

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9 13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

IF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
93.0	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
		REGION												
96.4	-6.6*		Southeast											
94.2	1.2		West											
94.1	1.1		Central											
94.9	1.9		Northeast											
		SEX												
93.6	0.4		Male											
92.6	-0.4		Female											
		COLOR												
73.2	-19.9*		Black											
95.5	2.4*		White											
		PARENTAL EDUCATION												
89.3	-3.8*		No High School											
94.7	1.7		Some High School											
95.9	2.8*		Graduated High Sch.											
95.7	2.7*		Post High School											
		SIZE OF COMMUNITY												
86.6	-6.4*		Big City											
95.7	2.1*		Small Place											
91.7	-1.2		Medium City											
94.8	1.8		Urban Fringe											

Exercise 711 -- Adult

Overlaps: Age 9, 13 and 17

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

This passage is indirectly concerned with the shortage of accommodations at ski areas, but more specifically, it is concerned with how the author became acquainted with this fact. Ninety-three percent of young adults were able to infer that the author's problem would have been avoided if he had arranged for accommodations well ahead of his trip.

Exercise 733 -- Adult

Read the poem and answer the question which follows it.

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restrictions

What do the following lines from the poem mean?

Nat'l %
Choosing
Each Answer

"I see that no one has passed here
In a long time."

- 3.1% ☐ The way of truth is popular.
2.8% ☐ People are fascinated by the truth.
4.3% ☐ Truth comes and goes like the wind.
17.7% ☐ The truth is difficult to recognize.
67.0% ☒ Few people are searching for the truth.
4.0% ☐ I don't know.
1.2% No response

*"The Wayfarer," *The New Pocket Anthology of American Verse*,
Stephen Crane. Reprinted by permission of Washington Square Press.

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12 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

TOP SUCCESS	GROUP PERCENT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
66.4	---	NATIONAL		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
53.1	-13.8*	REGION	Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
72.9	6.0*		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
65.2	-1.8		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
71.3	1.9		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
66.4	-0.5	SEX	Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
67.5	0.5		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
49.1	-17.9*	COLOR	Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
69.5	2.6*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
57.6	-9.3*	PARENTAL EDUCATION	No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
64.6	-2.3		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
68.0	1.0		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
82.1	16.1*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
66.6	-2.3	SIZE OF COMMUNITY	Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
65.9	-1.1		Small Place	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
68.9	-2.9		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
73.9	6.9		Urban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 733 -- Adult

Overlaps: Age 13 and 17

Objective I: Comprehend what is read.

Subobjective B: Read phrases, clauses and sentences.

This poem about the pathway to truth is cast as an extended metaphor. Sixty-seven percent of young adults were able to infer from the lines

"I see that no one has passed here
In a long time"

that few people are searching for the truth. The 18% who answered "The truth is difficult to recognize" missed the point of the poem: While the pathway to truth is recognized by many, few choose to follow it.

Exercise 742 -- Adult

Read the passage and complete the sentence which follows it.

Between April and October the Persian Gulf is dotted with the small boats of pearl divers. Some seventy-five thousand of them are busy diving down and bringing up pearl-bearing oysters. These oysters are not the kind we eat. The edible oyster produces pearls of little or no value. You may have heard tales of diners who discovered pearls and sold them for great sums of money. These stories are entertaining but not accurate.*

Nat'l %
Choosing
Each Answer

The Persian Gulf has many

- 6.8% ☐ large boats of pearl divers.
1.5% ☐ pearl divers who eat oysters.
10.8% ☐ edible oysters that produce pearls.
73.2% ☒ non-edible oysters that produce pearls.
4.8% ☐ edible oysters that do not produce pearls.
1.8% ☐ I don't know.
1.3% No response

*The Real Book about Treasure, Hal Burton. Reprinted by permission of Garden City Books.

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13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS
				0 10 20 30 40 50 60 70 80 90 100
73.2	---	NATIONAL		.....
		REGION		
51.3	-11.9*		Southeast	.....
77.7	4.5		West	.....
77.4	4.2		Central	.....
72.0	-0.2		Northeast	.....
		SEX		
76.1	2.9*		Ma.	.....
70.5	-2.7*		Female	.....
		COLOR		
39.0	-34.2*		Black	.....
77.7	4.5*		White	.....
		PARENTAL EDUCATION		
64.6	-8.6*		No High School	.....
67.3	-5.9*		Some High School	.....
78.9	5.5*		Graduated High Sch.	.....
84.7	11.5*		Post High School	.....
		SIZE OF COMMUNITY		
62.3	-10.4*		Big City	.....
74.5	1.3		Small Place	.....
76.2	3.0		Medium City	.....
78.3	5.1		Urban Fringe	.....

Exercise 742 -- Adult

Overlaps: Age 13 and 17

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

From the facts given in this story, 73% of young adults were able to infer that the Persian Gulf has many inedible oysters that produce pearls. A number of facts must be related in order to arrive at the correct answer. That the Persian Gulf has many oysters must be inferred from "seventy-five thousand pearl divers." That the oysters are inedible must be inferred from "These oysters are not the kind we eat."

Exercise 755 -- Adult

Read the passage and answer the questions which follow it.

*Omitted due to
copyright restriction*

75501

Nat'l %
Choosing
Each Answer

Why was there primitiveness and self-con-
tainment in Rayon before 1910?

- 10.8% ☐ Social mores
30.6% ☐ Cultural tradition
2.5% ☐ Biological instincts
45.9% ☒ Geographical factors
1.4% ☐ Religious regulations
7.5% ☐ I don't know.
1.3% No response

"The Village in an Industrial World," Scientific Monthly,
August 1953. Reprinted by permission of the publisher.

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13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP DIFFER	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
45.3	---	NATIONAL		.....									
		REGION												
23.5	-16.3%		Southeast	.....									
51.1	7.7%		West	.....									
41.1	-8.6%		Central	.....									
50.0	8.1%		Northeast	.....									
		SEX												
49.1	1.4%		Male	.....									
42.7	-3.2%		Female	.....									
		COLOR												
21.4	-24.5%		Black	.....									
44.4	2.9%		White	.....									
		PARENTIAL EDUCATION												
17.6	-13.3%		No High School	.....									
40.6	-5.1		Some High School	.....									
51.7	5.8		Graduated High Sch.	.....									
64.1	18.4%		Post High School	.....									
		SIZE OF COMMUNITY												
59.1	4.2		Big City	.....									
41.5	-4.4		Small Place	.....									
47.1	1.2		Medium City	.....									
51.2	5.3		Urban Fringe	.....									

75502

Nat'l %
Choosing
Each Answer

By 1948 the village of Nayon was

- 20.1% ☐ a self-sufficient village.
 2.8% ☐ out of touch with the outside world.
 28.9% ☒ a small dependent portion of a larger economic unit.
 43.5% ☐ a rapidly growing and sound social and cultural unit.
 3.4% ☐ I don't know.
 1.3% No response

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13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
28.9	---	NATIONAL		+	+	+	+	+	+	+	+	+	+	+
		REGION		*****										
17.0	-11.9*		Southeast	*****										
31.7	2.8		West	*****										
32.7	3.8		Central	*****										
30.0	1.0		Northeast	*****										
		SEX												
29.0	0.1		Male	*****										
28.9	-0.1		Female	*****										
		COLOR												
6.4	-22.5*		Black	*****										
32.0	3.1*		White	*****										
		PARENTAL EDUCATION												
19.7	-9.3*		No High School	*****										
25.8	-3.1		Some High School	*****										
29.9	1.0		Graduated High Sch.	*****										
43.0	14.1*		Post High School	*****										
		SIZE OF COMMUNITY												
28.7	-0.2		Big City	*****										
27.6	-1.3		Small Place	*****										
30.3	1.4		Medium City	*****										
31.1	2.2		Urban Fringe	*****										

75503

Net:1 & Why was Mayon originally separated from
Choosing its neighbors?
Each Answer

- 9.0% ☐ Rich arable land
- 2.2% ☐ Long meandering streams
- 14.8% ☐ Artificial political barriers
- 10.9% ☐ Broad stretches of arid desert
- 30.8% ☒ Deep rugged gorges traversed by rock trails
- 30.7% ☐ I don't know.
- 1.7% ☐ No response

A03 12 5/1 05-X755034 40098010

13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE-----GROUP	0	10	20	30	40	50	60	70	80	90	100
30.9	---	NATIONAL	.....									
25.8	-5.0*	REGION											
33.3	2.5	Southeast	.....									
31.4	0.6	West	.....									
31.0	0.2	Central	.....									
31.0	0.2	Northeast	.....									
30.1	3.2	SEX											
27.7	-3.1	Male	.....									
		Female	.....									
17.9	-12.9*	COLOR											
31.9	1.1*	Black	.....									
		White	.....									
25.4	-5.4*	PARENTIAL EDUCATION											
31.0	0.2	No High School	.....									
29.6	-2.2	Some High School	.....									
41.9	11.0*	Graduated High Sch.	.....									
		Post High School	.....									
30.3	-0.5	SIZE OF COMMUNITY											
29.7	-1.1	Big City	.....									
30.0	-0.8	Small Place	.....									
34.5	3.7	Medium City	.....									
		Urban Fringe	.....									

75594 Summary of the three parts

- 1.34 No response
- 31.34 0 parts correct
- 37.04 1 part correct
- 22.84 2 parts correct
- 7.74 3 parts correct

The exhibit below shows the percentage of success and effects for all three parts correct.

ADJ 124 1/2 13*755040 R0000000

13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
7.7	---	NATIONAL		*****	+	+	+	+	+	+	+	+	+	+
4.1	-3.5*	REGION		****										
9.2	0.5		Southeast	*****										
7.4	0.2		West	*****										
9.2	1.5		Central	*****										
			Northeast	*****										
10.1	2.8*	SEX		*****	+									
5.3	-2.3*		Male	*****										
			Female	*****										
0.7	-7.0*	COLOR		*****										
8.6	0.9*		Black	*****										
			White	*****										
2.7	-5.0*	PARENTAL EDUCATION		***										
6.4	-1.3		No High School	*****										
6.5	-1.2		Some High School	*****										
16.6	9.0*		Graduated High Sch.	*****										
			Post High School	*****										
9.5	0.8	SIZE OF COMMUNITY		*****										
6.9	-0.9		Big City	*****										
7.1	-0.6		Small Place	*****										
9.5	1.8		Medium City	*****										
			Urban Fringe	*****										

Exercise 755 -- Adult

Overlaps: Age 13 and 17

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

This passage describes various changes in the Andean village of Nayon during the early twentieth century. On part 75501, 46% of young adults were able to infer that Nayon was primitive and self-contained before 1910 because of geographical factors. Thirty-one percent chose "cultural tradition" as the reason. On part 75502, 29% were able to infer that by 1948 Nayon was a small, dependent portion of a larger economic unit. Forty-four percent said Nayon was "a rapidly growing and sound social and cultural unit," a response that is partially correct. On part 75503, 31% were able to infer that Nayon was originally separated from its neighbors because of deep gorges and rocky trails. Thirty-one percent said "I don't know" to this question. Thirty-three percent of young adults failed to make correct inferences on any part; 37% made a correct inference on only one part; 23% made correct inferences on exactly two parts; and 8% made correct inferences on all three parts.

Exercise 756 -- Adult

Read the passage and answer the question on the next page.

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Nat'l %
Choosing
Each Answer

Which of the following BEST explains the
kind of human behavior described?

- 2.3% ☐ "Not merely...greed for goods."
31.9% ☒ "In self-entrapment is security..."
9.4% ☐ "...obligations are homogenized..."
16.0% ☐ "Suburbanites are not irresponsible."
35.2% ☐ "They are extremely budget-conscious."
4.2% ☐ I don't know.
1.0% No response

*The Organisation Man, William H. Whyte, Jr. Reprinted by permis-
sion of Doubleday and Co.

106 11 3/1 02*X756011 R1000010

13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

% OF SUCCESS	GROUP DIFFERENTIAL	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
31.9	---	NATIONAL		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
22.0	-9.9*	REGION	Southeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
40.1	8.2*		West	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
32.6	0.7		Central	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
30.6	-1.2		Northeast	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
31.9	-0.0	SEX	Male	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
31.9	0.0		Female	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
12.0	-19.0*	COLOR	Black	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
34.6	2.7*		White	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
20.4	-11.5*	PARENTAL EDUCATION	No High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
21.8	-10.1*		Some High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
35.7	3.1		Graduated High Sch.	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
52.1	20.2*		Post High School	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
35.3	3.4	SIZE OF COMMUNITY	Big City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
26.9	-4.9*		Small Place	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
32.5	0.7		Medium City	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
40.3	8.4*		Urban Fringe	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 756 -- Adult

Overlaps: Age 13 and 17

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

This passage (same as in Exercise 752) describes the spending habits of suburbanites--committing nearly the entire income to equal monthly payments. Thirty-two percent of young adults were able to infer that "In self-entrapment is security" best explains the described human behavior of suburbanites. Thirty-five percent said "They are extremely budget-conscious," a phrase that describes but does not explain the human behavior.

Read the passage and answer the question which follows it.

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copyright restrictions*

Nat'l 1
Choosing
Each Answer

What does the author describe about Helen Keller?

- 0.64 ☐ Her habits
0.54 ☐ Her friends
0.64 ☐ Her appearance
0.34 ☐ Her frustrations
95.74 ☒ Her accomplishments
1.24 ☐ I don't know.
1.14 No response

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ADP 10 1/1 054757011 2100010

17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

PERCENTAGE OF SUCCESS	GROUP EFFECT	VARIABLE	GROUP	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
95.7	---	NATIONAL		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
92.6	-6.1*	REGION	Southeast	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
98.4	3.1*		West	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
95.3	-0.1		Central	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
96.9	1.2		Northeast	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
96.1	0.1	SEX	Male	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
95.1	-0.3		Female	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
96.1	-9.6*	COLOR	Black	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
97.0	1.2*		White	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
91.9	-3.9*	PARENTIAL EDUCATION	No High School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
95.9	0.2		Some High School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
96.3	0.7		Graduated High Sch.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
100.0	4.3*		Post High School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
92.7	-3.0*	SIZE OF COMMUNITY	Big City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
96.1	0.6		Small Place	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
95.6	-0.1		Medium City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
97.5	1.8*		Urban Fringe	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Exercise 757 -- Adult

Overlaps: Age 17

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

This passage describes how Helen Keller became blind and deaf and the ways in which she overcame these handicaps. Ninety-six percent of young adults were able to infer that this passage regarded Helen Keller's accomplishments.

CHAPTER 7

AGE COMPARISONS

In Chapters 3-6, our concern has been comparing the percentage of success for each group with the national percentage of success within each age level. When an exercise has been administered at more than one age level, we can compare the percentage of success for a given group at one age level with that group's percentage(s) of success at the other age level(s) and determine the percentage increase or percentage decrease between one age level and the next higher age level. We can also determine the overall or net percentage increase or percentage decrease between the lowest age level and the highest age level when more than two age levels are involved.

We compare the percentages of success for 9, 13 and 17-year-olds and young adults (26-35) all obtained at the time of the 1970-71 assessment. Therefore, we are not justified in assuming that four years later the 9-year-olds (for example), when they are 13-year-olds, would necessarily attain the same percentages of success as the 13-year-olds in the 1970-71 assessment. Likewise, we are not justified in assuming that four years earlier the 13-year-olds, when they were 9-year-olds, would have necessarily attained the same percentages of success as the 9-year-olds in the 1970-71 assessment. This is because the experiences between age 9 and age 13 could be quite different for the 9-year-olds and 13-year-olds in the 1970-71 assessment. These statements generalize to the comparisons we make between any two age levels.

For each exercise, an exhibit shows the percentage of success for each group at the relevant age levels and the percentage difference between each adjacent pair of age levels and (when applicable) the percentage difference between the lowest age level and the highest age level. For example, look at the Northeast region at ages 9, 13, 17 and adults for Exercise R711.

	<u>Age Level</u>	<u>Percentage of Success</u>		<u>Percentage Difference</u>
Northeast	9	33.4		
	13	81.9	9-->13	48.4
	17	93.4	13-->17	11.6
	Ad	94.9	17-->Ad	1.5
			9-->Ad	61.5

We see that the percentage of success for the 9-year-olds was 33.4 and for the 13-year-olds, 81.9 with a percentage difference of 48.4 going from age 9 to age 13. Likewise, the percentage of success for 17-year-olds was 93.4 with a percentage difference of 11.6 going from age 13 to 17; and the percentage of success for adults was 94.9 with a percentage difference of 1.5 going from age 17 to adult. The net percentage difference going from age 9 to adult was 61.5. When a percentage decrease occurs, it is indicated by a minus sign (-). The bars on the graph portion of the exhibit also indicate the percentages of success for the groups at each age level. A dashed vertical line descends from the end of each national percentage bar. This allows a visual comparison of a group's position relative to the national level from age level to age level.

Special note should be made of the white space between the end of each bar and the 100% vertical line. This white space represents the percentages of individuals who did not succeed on an exercise at each age level. This white space or percentage of failure must be taken into account when we consider the percentage increase from one age level to the next. Consider the following examples:

1. If the percentage of success for a group at age 9 is 20 and the percentage of success for that group at age 13 is 50, the percentage increase is 30. On the face of it, this seems to be a reasonably large increase, but 50% of the 13-year-olds still failed.
2. If the percentage of success for a group at age 9 is 95 and the percentage of success for that group at age 13 is 99.5, the percentage increase is 4.5. On the face of it, this seems to be a small increase. However, only 5% of the 9-year-olds failed, therefore, there could not be a large increase going to age 13.
3. An exercise may be extremely difficult for both age levels under consideration in which case we would expect a small or no percentage increase.

Of the released exercises representing drawing inferences, five were administered to 9 and 13-year-olds; one was administered to 9, 13 and 17-year-olds; one was administered to 9, 13 and 17-year-olds and young adults; eleven were administered to 13 and 17-year-olds; six were administered to 13 and 17-year-olds and young adults; and one was administered to 17-year-olds and young adults.

Exercise 711 -- Age 9, 13, 17 and Adult

Read the passage and complete the sentence on the next page.

Skiing has recently become one of the more popular sports in the United States. Because of its popularity, thousands of winter vacationers are flying north rather than south. In many areas, reservations are required months ahead of time.

I discovered the accommodation shortage through an unfortunate experience. On a sunny Saturday morning I set out from Denver for the beckoning slopes of Aspen, Colorado. After passing signs for other ski areas, I finally reached my destination. Naturally I lost no time in heading for the nearest tow. After a stimulating afternoon of miscalculated stem turns I was famished. Well, one thing led to another and it must have been eight o'clock before I concerned myself with a bed for my bruised and aching bones.

It took precisely one phone call to ascertain the lack of lodgings in the Aspen area. I had but one recourse. My auto and I started the treacherous jaunt over the pass and back towards Denver. Along the way, I went begging for a bed. Finally a jolly tavernkeeper took pity and for only thirty dollars a night allowed me the privilege of staying in a musty, dirty, bathless room above his tavern.

Nat'l %
Choosing
Each Answer

The author's problem would
have been avoided if he
had

Age 9	Age 13	Age 17	Adult	
23.0%	10.1%	4.2%	1.9%	<input type="radio"/> not tired himself out skiing.
7.8%	4.4%	1.5%	1.8%	<input type="radio"/> taken a bus instead of driving.
7.9%	2.9%		0.9%	<input type="radio"/> looked for food as soon as he arrived.
32.4%	77.4%	90.6%	93.0%	<input checked="" type="radio"/> arranged for accommodations well ahead of his trip.
21.4%	4.0%	1.7%	0.9%	<input type="radio"/> I don't know.
7.5%	1.2%	0.6%	1.4%	No response

N34 04 3/1 04*X711011 R1000010
T07 02 3/1 04*X711011 R1000010
S01 03 3/1 04*X711011 R1000010
A03 14 3/1 04*X711011 R1000010

9 13 17 A
9 13 17 A
9 13 17 A
9 13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

	AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
NATIONAL	9	32.4		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	13	77.4	9-->13 45.0	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	17	90.6	13-->17 13.2	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	Ad	93.0	17-->Ad 2.4 9-->Ad 60.6	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
REGION	Southeast	9	27.6	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		13	68.6	9-->13 41.1	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		17	94.9	13-->17 16.3	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Ad	86.4	17-->Ad 1.5 9-->Ad 58.8	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	West	9	34.7	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		13	80.0	9-->13 45.3	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		17	91.2	13-->17 11.2	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Ad	94.2	17-->Ad 3.0 9-->Ad 59.6	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	Central	9	33.5	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		13	78.4	9-->13 44.9	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		17	91.6	13-->17 13.2	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Ad	94.1	17-->Ad 2.6 9-->Ad 60.7	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	Northeast	9	33.4	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		13	81.9	9-->13 48.4	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		17	93.4	13-->17 11.6	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Ad	94.9	17-->Ad 1.5 9-->Ad 61.5	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
SEX	Male	9	28.0	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		13	72.8	9-->13 44.8	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		17	87.9	13-->17 15.1	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Ad	93.5	17-->Ad 5.6 9-->Ad 65.5	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	Female	9	36.5	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		13	81.7	9-->13 45.2	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		17	93.0	13-->17 11.3	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Ad	92.6	17-->Ad -0.4 9-->Ad 56.1	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

N04 04	3/1	04*X711011	R1000010	9 13 17 A
T07 02	3/1	04*X711011	R1000010	9 13 17 A
S01 03	3/1	04*X711011	R1000010	9 13 17 A
A03 14	3/1	04*X711011	R1000010	9 13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

				PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
				+	+	+	+	+	+	+	+	+	+	+
AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE												
NATIONAL	9	32.4		*****										
NATIONAL	13	77.4	9-->13 45.0	*****										
NATIONAL	17	90.6	13-->17 13.2	*****										
NATIONAL	Ad	93.0	17-->Ad 2.4 9-->Ad 60.6	*****										
<u>COLOR</u>														
Black	9	20.5		*****										
	13	53.9	9-->13 33.4	*****										
	17	70.1	13-->17 16.3	*****										
	Ad	73.2	17-->Ad 3.0 9-->Ad 52.7	*****										
White	9	34.5		*****										
	13	81.9	9-->13 47.4	*****										
	17	93.3	13-->17 11.4	*****										
	Ad	95.5	17-->Ad 2.2 9-->Ad 61.0	*****										
<u>PARENTAL EDUCATION</u>														
No High School	9	30.5		*****										
	13	65.6	9-->13 35.1	*****										
	17	78.2	13-->17 12.7	*****										
	Ad	89.3	17-->Ad 11.1 9-->Ad 58.8	*****										
Some High School	9	23.7		*****										
	13	70.5	9-->13 46.7	*****										
	17	86.4	13-->17 15.9	*****										
	Ad	94.7	17-->Ad 8.3 9-->Ad 71.0	*****										
Graduated High Sch.	9	30.2		*****										
	13	79.6	9-->13 49.4	*****										
	17	89.2	13-->17 9.5	*****										
	Ad	95.9	17-->Ad 6.7 9-->Ad 65.7	*****										
Post High School	9	40.2		*****										
	13	87.7	9-->13 47.5	*****										
	17	96.4	13-->17 8.7	*****										
	Ad	95.7	17-->Ad -0.6 9-->Ad 55.6	*****										
NATIONAL	9	32.4		*****										
NATIONAL	13	77.4	9-->13 45.0	*****										
NATIONAL	17IS	91.4	13-->17 14.0 9-->17 59.0	*****										
<u>SIZE-AND-TYPE OF COMMUNITY</u>														
Extreme Inner City	9	22.3		*****										
	13	59.9	9-->13 37.7	*****										
	17IS	82.3	13-->17 22.4 9-->17 60.1	*****										
Extreme Rural	9	25.9		*****										
	13	71.2	9-->13 45.3	*****										
	17IS	83.6	13-->17 12.4 9-->17 57.7	*****										
Small City	9	31.6		*****										
	13	76.6	9-->13 45.0	*****										
	17IS	90.6	13-->17 14.0 9-->17 59.0	*****										
Medium City	9	28.4		*****										
	13	76.2	9-->13 47.8	*****										
	17IS	92.1	13-->17 15.9 9-->17 53.6	*****										
Rest Of Big City	9	44.1		*****										
	13	82.5	9-->13 38.4	*****										
	17IS	93.7	13-->17 11.3 9-->17 49.7	*****										
Suburban Fringe	9	31.8		*****										
	13	79.9	9-->13 48.1	*****										
	17IS	94.9	13-->17 14.9 9-->17 63.0	*****										
Extreme Aff Suburb	9	44.3		*****										
	13	86.5	9-->13 42.2	*****										
	17IS	95.7	13-->17 9.2 9-->17 51.4	*****										

Exercise 711 -- Age 9, 13, 17 and Adult

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

This passage is indirectly concerned with the shortage of accommodations at ski areas, but more specifically, it is concerned with how the author became acquainted with this fact. Thirty-two percent of 9-year-olds, 77% of 13-year-olds, 91% of 17-year-olds and 93% of young adults were able to infer that the author's problem would have been avoided if he had arranged for accommodations well ahead of his trip. This represents a percentage increase of 45 going from age 9 to age 13, a percentage increase of 14 going from age 13 to age 17 and a percentage increase of 2 going from age 17 to the adult level. The percentage who said "not tire himself out from skiing" decreased from 23 at age 9 to 10 at age 13 and did not differ notably from those for other incorrect answers at age 17 and the young adult level.

Exercise 713 -- Age 9 and 13

Read the passage and answer the question which follows it.

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Nat'l % Choosing Each Answer		When did Helen Keller lose her sight and hearing?	
Age 9	Age 13		
25.3%	6.3%	<input type="radio"/> 1880	
39.8%	84.1%	<input checked="" type="radio"/> 1882	
28.8%	8.1%	<input type="radio"/> 1886	
1.8%	0.5%	<input type="radio"/> 1890	
1.7%	0.2%	<input type="radio"/> 1900	
2.1%	0.6%	<input type="radio"/> I don't know.	
0.5%	0.3%	No response	

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N04 15 3/1 02*X713011 R1000010
T06 02 3/1 02*X713011 R1000010

9 13
9 13

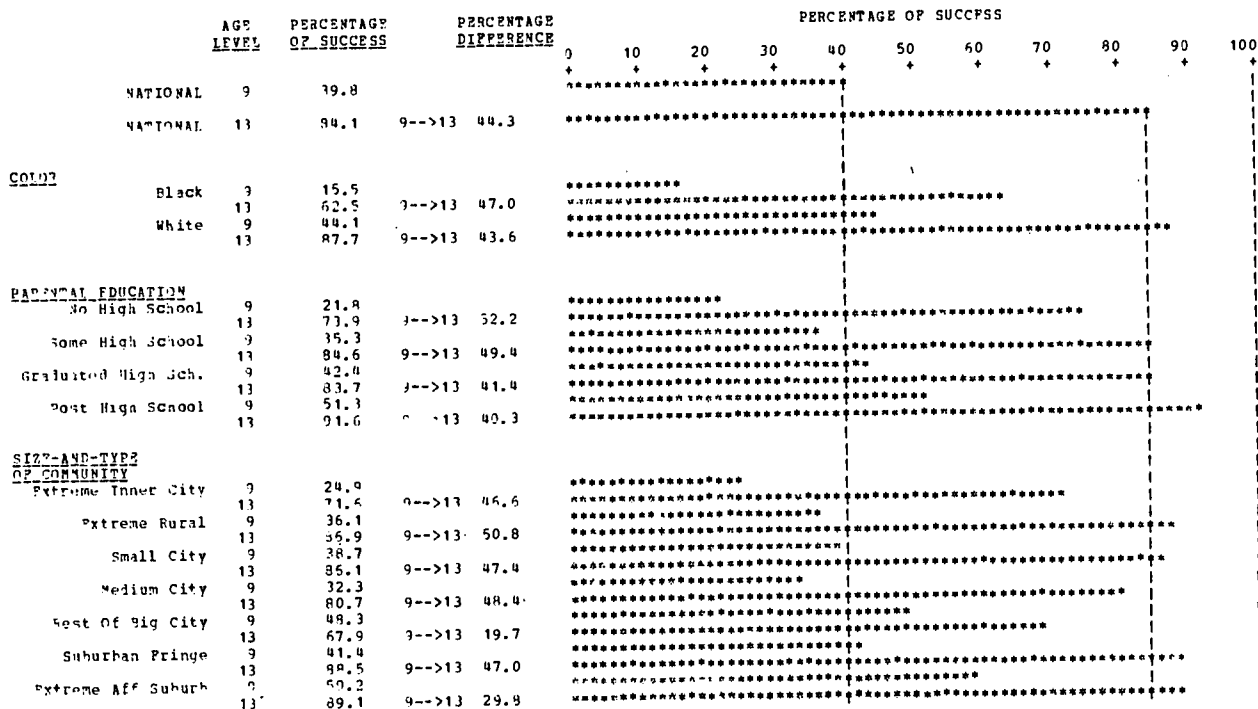
NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
					0	10	20	30	40	50	60	70	80	90	100
NATIONAL		9	39.8		+	+	+	+	+	+	+	+	+	+	+
NATIONAL		13	84.1	9-->13 44.3	+	+	+	+	+	+	+	+	+	+	+
REGION															
Southeast		9	32.6		+	+	+	+	+	+	+	+	+	+	+
		13	77.9	9-->13 45.3	+	+	+	+	+	+	+	+	+	+	+
West		9	38.8		+	+	+	+	+	+	+	+	+	+	+
		13	84.2	9-->13 45.4	+	+	+	+	+	+	+	+	+	+	+
Central		9	41.5		+	+	+	+	+	+	+	+	+	+	+
		13	89.2	9-->13 47.7	+	+	+	+	+	+	+	+	+	+	+
Northeast		9	45.4		+	+	+	+	+	+	+	+	+	+	+
		13	84.5	9-->13 39.1	+	+	+	+	+	+	+	+	+	+	+
SEX															
Male		9	37.2		+	+	+	+	+	+	+	+	+	+	+
		13	80.6	9-->13 43.4	+	+	+	+	+	+	+	+	+	+	+
Female		9	42.3		+	+	+	+	+	+	+	+	+	+	+
		13	87.8	9-->13 45.5	+	+	+	+	+	+	+	+	+	+	+

N04 15 3/1 02*X713011 R1000010
T06 02 3/1 02*X713011 R1000010

9 13
9 13

NATIONAL AND GROUP PERCENTAGES OF SUCCESS



Exercise 713 -- Age 9 and 13

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

From the facts given in this passage about Helen Keller, 9 and 13-year-olds were asked to give the year in which she lost her sight and hearing. Forty percent of the 9-year-olds and 84% of the 13-year-olds were able to infer 1882 from the facts: "Helen Keller was born in 1880" and "When she was two years old, she lost her sight and hearing." This represents a percentage increase of 44 going from age 9 to age 13. While 25% of 9-year-olds gave 1880, the year of her birth, only 6% of 13-year-olds did so; and while 29% of 9-year-olds gave 1886, the year in which she began to study with Anne Sullivan, only 8% of 13-year-olds gave this answer. It would seem that 13-year-olds have better inferential power than 9-year-olds--at least on the kinds of material used in this exercise.

Exercise 718 -- Age 9 and 13

Read the story and answer the question which follows it.

Sammy got to school ten minutes after the school bell had rung. He was breathing hard and had a black eye. His face was dirty and scratched. One leg of his pants was torn.

Tommy was late to school, too; however, he was only five minutes late. Like Sammy, he was breathing hard, but he was happy and smiling.

Sammy and Tommy had been fighting.

Nat'l %
Choosing
Each Answer

Who probably won?

Age 9 Age 13

21.0% 7.9% ☐ Sammy
62.6% 85.5% ☒ Tommy
14.7% 6.2% ☐ Cannot tell from the story
1.6% 0.4% ☐ I don't know.
0.2% 0.1% No response

N06 04 3/1 02*X718014 R0004010
T13 01 3/1 02*X718014 R0004010

9 13
9 13

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
					0	10	20	30	40	50	60	70	80	90	100
		NATIONAL	9	62.6	*****										
		NATIONAL	13	85.4	9-->13	22.8	*****								
REGION	Southeast	9	59.1	*****											
		13	84.5	9-->13	25.4	*****									
	West	9	63.4	*****											
		13	83.3	9-->13	19.9	*****									
	Central	9	65.9	*****											
		13	85.5	9-->13	19.6	*****									
	Northeast	9	61.3	*****											
		13	88.7	9-->13	27.4	*****									
SEX	Male	9	61.7	*****											
		13	85.1	9-->13	23.4	*****									
	Female	9	63.6	*****											
		13	85.8	9-->13	22.2	*****									

N06 04 3/1 02*X718014 R000401D
 013 01 3/1 02*X718014 R000401D

9 13
 9 13

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
					0	10	20	30	40	50	60	70	80	90	100
					+	+	+	+	+	+	+	+	+	+	+
NATIONAL		9	52.6		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
NATIONAL		13	85.4	9-->13 22.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<u>COLOR</u>															
Black		9	54.7		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		13	76.3	9-->13 21.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
White		9	63.9		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		13	87.1	9-->13 23.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<u>PARENTAL EDUCATION</u>															
No High School		9	58.7		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		13	72.9	9-->13 14.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Some High School		9	54.8		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		13	82.3	9-->13 27.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Graduated High Sch.		9	63.0		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		13	87.2	9-->13 24.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Post High School		9	69.0		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		13	88.9	9-->13 19.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<u>SIZE-AND-TYPE OF COMMUNITY</u>															
Extreme Inner City		9	51.2		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		13	82.4	9-->13 31.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Extreme Rural		9	59.8		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		13	86.2	9-->13 26.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Small City		9	61.2		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		13	83.0	9-->13 21.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Medium City		9	63.4		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		13	87.3	9-->13 23.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rest of Big City		9	62.6		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		13	88.0	9-->13 26.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Suburban Fringe		9	68.5		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		13	84.8	9-->13 16.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Extreme Aff Suburb		9	66.2		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		13	88.9	9-->13 22.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Exercise 718 -- Age 9 and 13

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

From the events given in this story, 63% of 9-year-olds and 86% of 13-year-olds were able to infer that Tommy had won the fight. This represents a percentage increase of 23 going from age 9 to age 13. The percentage who said Sammy had won the fight decreased from 21 at age 9 to 8 at age 13; and the percentage who said they could not tell from the story who had won the fight dropped from 15 at age 9 to 6 at age 13. This means that 14% of 13-year-olds could not infer that Tommy had won the fight from the facts that Sammy was scratched, had a black eye and had torn clothing and that Tommy was happy and smiling.

Exercise 722 -- Age 9 and 13

This is like a game to see if you can tell what the nonsense word in the paragraph stands for. The nonsense word is just a silly word for something that you know very well. Read the paragraph and see if you can tell what the underlined nonsense word stands for.

You can wash your face and hands in zup. You can even take a bath in it. When people swim, they are in the zup. Everyone drinks zup.

Nat'l %
Choosing
Each Answer

Age 9 Age 13 zup is probably

- 2.5% 0.9% ☐ milk.
3.2% 1.4% ☐ pop.
9.1% 4.3% ☐ soap.
83.1% 92.7% ☒ water.

1.5% 0.3% ☐ I don't know.
0.7% 0.3% No response

X07 08 3/1 04*X722011 R1000010
T09 09 3/1 04*X722011 R1000010

9 13
9 13

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS																			
					0	10	20	30	40	50	60	70	80	90	100									
					+	+	+	+	+	+	+	+	+	+	+									
		NATIONAL	9	53.1	*****																			
		NATIONAL	13	92.7	9-->13	9.6	*****																	
REGION	Southeast	9	74.5	*****																				
		13	89.2	9-->13	14.7	*****																		
	West	9	81.4	*****																				
		13	92.9	9-->13	11.5	*****																		
	Central	9	86.3	*****																				
		13	94.2	9-->13	7.9	*****																		
Northeast	9	87.8	*****																					
	13	94.0	9-->13	6.2	*****																			
SEX	Male	9	81.4	*****																				
		13	91.0	9-->13	9.6	*****																		
	Female	9	84.7	*****																				
		13	94.5	9-->13	9.8	*****																		

W07 08 3/1 04*X722011 R100C010
T09 09 3/1 04*X722011 R1000010

9 13
9 13

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
					0	10	20	30	40	50	60	70	80	90	100
NATIONAL		9	93.1		+	+	+	+	+	+	+	+	+	+	+
NATIONAL		13	92.7	9-->13 9.6	+	+	+	+	+	+	+	+	+	+	+
<u>COLOR</u>															
Black		9	64.1		+	+	+	+	+	+	+	+	+	+	+
		13	82.5	9--> 3 18.4	+	+	+	+	+	+	+	+	+	+	+
White		9	86.2		+	+	+	+	+	+	+	+	+	+	+
		13	94.3	9-->13 8.1	+	+	+	+	+	+	+	+	+	+	+
<u>PARENTAL EDUCATION</u>															
No High School		9	71.5		+	+	+	+	+	+	+	+	+	+	+
		13	91.8	9-->13 20.3	+	+	+	+	+	+	+	+	+	+	+
Some High School		9	77.9		+	+	+	+	+	+	+	+	+	+	+
		13	91.2	9-->13 13.3	+	+	+	+	+	+	+	+	+	+	+
Graduated High Sch.		9	81.2		+	+	+	+	+	+	+	+	+	+	+
		13	92.9	9-->13 11.7	+	+	+	+	+	+	+	+	+	+	+
Post High School		9	90.7		+	+	+	+	+	+	+	+	+	+	+
		13	95.2	9-->13 4.6	+	+	+	+	+	+	+	+	+	+	+
<u>SIZE-AND-TYPE OF COMMUNITY</u>															
Extreme Inner City		9	72.4		+	+	+	+	+	+	+	+	+	+	+
		13	89.5	9-->13 17.1	+	+	+	+	+	+	+	+	+	+	+
Extreme Rural		9	77.9		+	+	+	+	+	+	+	+	+	+	+
		13	90.9	9-->13 13.1	+	+	+	+	+	+	+	+	+	+	+
Small City		9	80.3		+	+	+	+	+	+	+	+	+	+	+
		13	93.6	9-->13 13.3	+	+	+	+	+	+	+	+	+	+	+
Medium City		9	82.4		+	+	+	+	+	+	+	+	+	+	+
		13	92.8	9-->13 10.4	+	+	+	+	+	+	+	+	+	+	+
Rest Of Big City		9	87.1		+	+	+	+	+	+	+	+	+	+	+
		13	90.0	9-->13 2.9	+	+	+	+	+	+	+	+	+	+	+
Suburban Fringe		9	87.3		+	+	+	+	+	+	+	+	+	+	+
		13	93.5	9-->13 6.2	+	+	+	+	+	+	+	+	+	+	+
Extreme Aff Suburb		9	91.3		+	+	+	+	+	+	+	+	+	+	+
		13	93.8	9-->13 2.6	+	+	+	+	+	+	+	+	+	+	+

Exercise 722 -- Age 9 and 13

Objective I: Comprehend what is read.

Subobjective A: Read individual words.

In this passage, a nonsense word ("zup") is substituted for a real word. Eighty-three percent of 9-year-olds and 93% of 13-year-olds were able to infer that "zup" is water--a percentage increase of 10 going from age 9 to age 13. Obviously, this exercise was fairly easy for 9-year-olds; yet 7% of 13-year-olds still failed. More than half of those who failed at both age levels said "zup" is soap. This indicates that they probably did not read beyond the first two sentences.

Exercise 729 -- Age 9, 13 and 17

Read the story and answer the question on the next page.

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copyright restrictions*

Mat'l 1
Choosing
Each Answer

In order to find out about an
object which interested him, what
would a Frangible POST likely do?

Age 9 Age 13 Age 17

11.8%	8.6%	3.7%	<input type="radio"/> Take it apart
17.3%	58.7%	78.3%	<input checked="" type="radio"/> Enter into it
19.4%	10.5%	7.4%	<input type="radio"/> Study it scientifically
10.9%	3.5%	1.9%	<input type="radio"/> Ask earth scientists about it
15.9%	10.4%	5.0%	<input type="radio"/> Wait to see if it would change color
19.8%	7.3%	3.4%	<input type="radio"/> I don't know.
4.9%	0.7%	0.2%	No response

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409 72 3/1 02*X729014 70304013 9 13 17
706 13 3/1 02*X729014 80004010 9 13 17
504 14 3/1 02*X729014 90004010 9 13 17

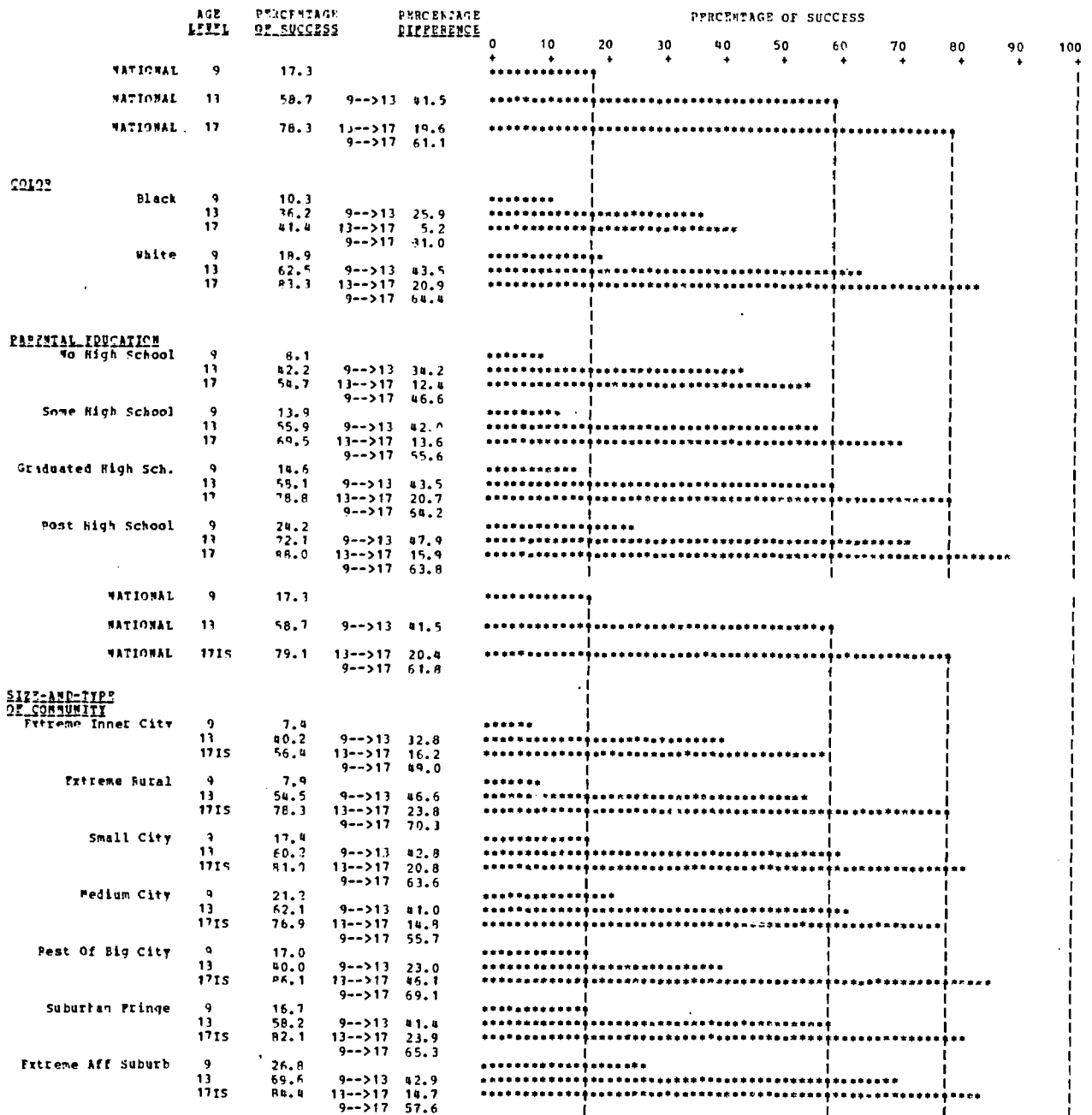
NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
					0	10	20	30	40	50	60	70	80	90	100
NATIONAL		9	17.3		.....									
NATIONAL		13	58.7	9-->13 41.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
NATIONAL		17	78.3	13-->17 19.6 9-->17 61.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
REGION	Southeast	9	17.0		.....									
		13	49.7	9-->13 32.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		17	70.8	13-->17 21.1 9-->17 53.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	West	9	16.0		.....									
		13	62.3	9-->13 46.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		17	78.1	13-->17 15.8 9-->17 62.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Central	9	16.0		.....									
		13	62.8	9-->13 46.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		17	82.2	13-->17 19.4 9-->17 66.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Northeast	9	18.2		.....									
		13	60.0	9-->13 41.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		17	80.1	13-->17 20.1 9-->17 61.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
SEX	Male	9	17.2		.....									
		13	56.0	9-->13 38.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		17	78.5	13-->17 22.5 9-->17 61.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Female	9	17.3		.....									
		13	61.6	9-->13 44.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		17	78.2	13-->17 16.6 9-->17 60.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

W09 02 3/1 02=X729014 R0004010
 T06 13 3/1 02=X729014 R0004010
 S04 14 3/1 02=X729014 R0004010

9 13 17
 9 13 17
 9 13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS



Exercise 729 -- Age 9, 13 and 17

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

This story relates the characteristics of Frangibles--inhabitants of the planet Xeno. Seventeen percent of 9-year-olds, 59% of 13-year-olds and 78% of 17-year-olds were able to infer from these characteristics that Frangibles would probably enter into an object in order to find out about it. This represents a percentage increase of 42 going from age 9 to age 13 and a percentage increase of 19 going from age 13 to age 17. The percentages of 9-year-olds choosing the various answers are about those we would expect if they had randomly guessed, especially since 20% admitted not knowing the correct answer. While this exercise was difficult for 9-year-olds, 13-year-olds fared better and 17-year-olds, better yet. However, 22% of 17-year-olds still were not able to draw the proper inferences.

Exercise 730 -- Age 9 and 13

This is like a game to see if you can tell what the nonsense word in the paragraph stands for. The nonsense word is just a silly word for something that you know very well. Read the paragraph and see if you can tell what the underlined nonsense word stands for.

Have you ever smelled a mart? They smell very good. Bees like marts. They come in many colors. Marts grow in the earth and they usually bloom in the spring.

Nat'l %
Choosing
Each Answer

Marts are probably

Age 9 Age 13

- 6.4% 1.2% ☐ bugs.
82.7% 96.8% ☒ flowers.
5.5% 0.6% ☐ perfume.
2.0% 0.4% ☐ pies.
2.7% 0.4% ☐ I don't know.
0.6% 0.4% No response

N09 10 3/1 02*X730011 R1000010
T07 05 3/1 02*X730011 R1000010

9 13
9 13

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

	AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS											
				0	10	20	30	40	50	60	70	80	90	100	
	NATIONAL	9	82.7	*****											
	NATIONAL	13	96.8	9-->13	14.1	*****									
REGION	Southeast	9	78.1	*****											
		13	96.1	9-->13	18.1	*****									
	West	9	84.5	*****											
		13	97.6	9-->13	13.1	*****									
	Central	9	86.7	*****											
		13	97.3	9-->13	10.6	*****									
	Northeast	9	80.7	*****											
		13	96.3	9-->13	15.6	*****									
SEX				*****											
	Male	9	78.6	*****											
		13	95.4	9-->13	16.9	*****									
	Female	9	86.7	*****											

09 10 1/1 02*X730011 R1000010
 07 05 3/1 02*X730011 R1000010

9 13
 9 13

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS											
					0	10	20	30	40	50	60	70	80	90	100	
		NATIONAL	9	82.7	+	+	+	+	+	+	+	+	+	+	+	+
		NATIONAL	13	96.8	9-->13	14.1										
COLOR	Black	9	66.5													
		13	91.2	9-->13	24.8											
	White	9	86.1													
		13	97.9	9-->13	11.8											
PARENTAL EDUCATION																
	No High School	9	81.2													
		13	95.6	9-->13	14.3											
	Some High School	9	74.9													
		13	98.0	9-->13	23.1											
	Graduated High Sch.	9	87.6													
		13	96.3	9-->13	8.8											
	Post High School	9	97.4													
		13	99.1	9-->13	11.7											
SITE AND TYPE OF COMMUNITY																
	Extreme Inner City	9	61.9													
		13	89.8	9-->13	27.9											
	Extreme Rural	9	85.2													
		13	96.6	9-->13	11.4											
	Small City	9	81.0													
		13	97.1	9-->13	16.3											
	Medium City	9	83.9													
		13	98.1	9-->13	14.2											
	West of Big City	9	83.1													
		13	95.7	9-->13	12.6											
	Suburban Fringe	9	90.1													
		13	97.0	9-->13	6.9											
	Extreme Aff Suburb	9	91.6													
		13	98.0	9-->13	6.4											

Exercise 730 -- Age 9 and 13

Objective I: Comprehend what is read.

Subobjective A: Read individual words.

Here's another little story in which a nonsense word (in this case "mart") is substituted for a real word. Eighty-three percent of 9-year-olds and 97% of 13-year-olds were able to infer that "marts" are flowers--a percentage increase of 14 going from age 9 to age 13.

Read the story and answer the question which follows it.

Nat'l &
Choosing
Each Answer

When did the story probably happen?

Age 9 Age 13

3.8%	1.1%	<input type="radio"/>	November 28
4.2%	2.6%	<input type="radio"/>	December 1
60.4%	83.1%	<input checked="" type="radio"/>	December 21
24.2%	9.6%	<input type="radio"/>	December 25
4.5%	2.8%	<input type="radio"/>	December 28
2.3%	0.6%	<input type="radio"/>	I don't know.
0.7%	0.1%		No response

N09 15 3/1 03*X732014 R00040I0
T08 07 3/1 03*X732014 R00040I0

9 13
9 13

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

[illegible]

N09 15 3/1 03*X732014 R0004010
 T08 07 3/1 03*X732014 R0004010

9 13
 9 13

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE	PERCENTAGE	PERCENTAGE	PERCENTAGE OF SUCCESS										
		LEVEL	OF SUCCESS	DIFFERENCE	0	10	20	30	40	50	60	70	80	90	100
NATIONAL		9	60.4		+	+	+	+	+	+	+	+	+	+	+
NATIONAL		13	83.1	9-->13 22.7	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
<u>COLOR</u>															
Black		9	38.2		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
White		13	68.7	9-->13 30.5	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		9	65.0		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		13	85.1	9-->13 20.1	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
<u>PARENTAL EDUCATION</u>															
No High School		9	46.3		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		13	68.6	9-->13 22.4	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
Some High School		9	54.9		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		13	83.6	9-->13 28.7	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
Graduated High Sch.		9	62.8		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		13	84.6	9-->13 21.9	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
Post High School		9	70.6		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		13	89.7	9-->13 19.1	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
<u>SIZE-AND-TYPE</u>															
<u>OF COMMUNITY</u>															
Extreme Inner City		9	34.4		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		13	76.7	9-->13 42.3	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
Extreme Rural		9	61.7		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		13	81.7	9-->13 20.0	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
Small City		9	55.7		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		13	82.0	9-->13 26.3	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
Medium City		9	60.5		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		13	80.3	9-->13 19.8	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
Rest Of Big City		9	65.0		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		13	83.7	9-->13 18.6	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
Suburban Fringe		9	74.8		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		13	85.9	9-->13 12.1	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
Extreme Aff Suburb		9	72.4		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		13	87.4	9-->13 15.1	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 732 -- Age 9 and 13

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

On this exercise, one need only read the first sentence of the story to infer, of the dates given as possible answers, that December 21 best fits "Christmas was only a few days away." Sixty percent of 9-year-olds and 83% of 13-year-olds were able to make this inference. This represents a percentage increase of 23 going from age 9 to age 13. While 24% of 9-year-olds indicated December 25--Christmas day itself, only 10% of 13-year-olds did so. More than half of those at both age levels who failed on this exercise chose December 25.

Exercise 733 -- Ages 13, 17 and Adult

Read the poem and answer the question which follows it.

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to copyright
restrictions*

Nat'l & Choosing Each Answer What do the following lines from the poem mean?
"I see that no one has passed here
In a long time."

Age 13	Age 17	Adult	
3.3%	1.6%	3.1%	<input type="radio"/> The way of truth is popular.
4.6%	2.6%	2.8%	<input type="radio"/> People are fascinated by the truth.
7.8%	4.7%	4.3%	<input type="radio"/> Truth comes and goes like the wind.
14.3%	16.7%	17.7%	<input type="radio"/> The truth is difficult to recognize.
61.5%	69.2%	67.0%	<input checked="" type="radio"/> Few people are searching for the truth.
8.1%	4.6%	4.0%	<input type="radio"/> I don't know.
0.5%	0.6%	1.2%	No response

**The Wayfarer," The New Pocket Anthology of American Verse, Stephen Crane. Reprinted by permission of Washington Square Press.

T01 03 3/1 05*X733011 R1000010 13 17 A
S03 15 3/1 05*X733011 R1000010 13 17 A
A03 04 3/1 05*X733011 R1000010 13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

	AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
REGION	NATIONAL	13	61.5		+	+	+	+	+	+	+	+	+	+
	NATIONAL	17	69.2	13-->17	7.7		+	+	+	+	+	+	+	+
	NATIONAL	Ad	66.9	17-->Ad	-2.3		+	+	+	+	+	+	+	+
				13-->Ad	5.4		+	+	+	+	+	+	+	+
	Southeast	13	58.8											
		17	65.1	13-->17	6.3									
		Ad	53.1	17-->Ad	-12.0									
	West	13	62.4											
		17	71.4	13-->17	9.0									
		Ad	72.9	17-->Ad	1.5									
	Central	13	62.1											
		17	71.0	13-->17	8.8									
		Ad	65.2	17-->Ad	-5.8									
	Northeast	13	62.7											
		17	68.4	13-->17	5.7									
		Ad	71.8	17-->Ad	3.4									
SEX	Male	13	56.6											
		17	65.5	13-->17	9.0									
		Ad	66.4	17-->Ad	0.9									
	Female	13	66.7											
		17	73.0	13-->17	6.3									
		Ad	67.5	17-->Ad	-5.5									
		13												
		17												
		Ad												
		13												
		17												
		Ad												

T01 03 3/1 05*X733011 R1000010
 S03 15 3/1 05*X733011 R1000010
 A03 04 3/1 05*X733011 R1000010

13 17 A
 13 17 A
 13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

					PERCENTAGE OF SUCCESS										
		AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	0	10	20	30	40	50	60	70	80	90	100
		NATIONAL	13	61.5	*****										
		NATIONAL	17	69.2	13-->17	7.7	*****								
		NATIONAL	Ad	66.9	17-->Ad	-2.3	*****								
					13-->Ad	5.4	*****								
<u>COLOR</u>															
		Black	13	45.3	*****										
			17	56.7	13-->17	11.4	*****								
			Ad	49.1	17-->Ad	-7.6	*****								
					13-->Ad	3.8	*****								
		White	13	64.3	*****										
			17	71.0	13-->17	6.6	*****								
			Ad	69.5	17-->Ad	-1.4	*****								
					13-->Ad	5.2	*****								
<u>PARENTAL EDUCATION</u>															
		No High School	13	46.5	*****										
			17	56.5	13-->17	10.0	*****								
			Ad	57.6	17-->Ad	1.1	*****								
					13-->Ad	11.1	*****								
		Some High School	13	55.5	*****										
			17	58.5	13-->17	3.0	*****								
			Ad	64.6	17-->Ad	6.1	*****								
					13-->Ad	9.1	*****								
		Graduated High Sch.	13	61.5	*****										
			17	70.7	13-->17	9.2	*****								
			Ad	68.0	17-->Ad	-2.8	*****								
					13-->Ad	6.4	*****								
		Post High School	13	69.8	*****										
			17	76.7	13-->17	6.9	*****								
			Ad	83.1	17-->Ad	6.4	*****								
					13-->Ad	13.3	*****								
		NATIONAL	13	61.5	*****										
		NATIONAL	17IS	70.2	13-->17	8.7	*****								
<u>SIZE-AND-TYPE OF COMMUNITY</u>															
		Extreme Inner City	13	55.0	*****										
			17IS	59.9	13-->17	4.9	*****								
		Extreme Rural	13	69.5	*****										
			17IS	70.8	13-->17	1.2	*****								
		Small City	13	61.8	*****										
			17IS	68.4	13-->17	6.6	*****								
		Medium City	13	60.0	*****										
			17IS	68.4	13-->17	8.4	*****								
		Rest Of Big City	13	56.6	*****										
			17IS	78.3	13-->17	21.7	*****								
		Suburban Fringe	13	56.1	*****										
			17IS	67.4	13-->17	11.3	*****								
		Extreme Aff Suburb	13	71.8	*****										
			17IS	78.4	13-->17	6.7	*****								

Exercise 733 -- Age 13, 17 and Adult

Objective I: Comprehend what is read.

Subobjective B: Read phrases, clauses and sentences.

This poem about the pathway to truth is cast as an extended metaphor. Sixty-two percent of 13-year-olds, 69% of 17-year-olds and 67% of young adults were able to infer that the lines

"I see that no one has passed here
In a long time"

means few people are searching for truth. This represents a percentage increase of 7 going from age 13 to age 17 and a percentage decrease of 2 going from age 17 to the young adult level. On this exercise, age level apparently makes little difference in ability to draw the appropriate inference since more than 30% failed at any age level. Fourteen percent of 13-year-olds, 17% of 17-year-olds and 18% of young adults said that the lines mean "The truth is difficult to recognize." These individuals missed the point of the poem. While the pathway to truth is recognized by many, few choose to follow it.

Exercise 735 -- Age 13 and 17

Read the paragraph and answer the question which follows it.

*I omitted due to
copyright restrictions*

Nat'l % Choosing Each Answer		What does the writer suggest when he mentions a "fine, neglected novel"?	
Age 13	Age 17		
8.1%	3.9%	<input type="radio"/>	Kerouac had the right idea about the war.
27.0%	17.5%	<input type="radio"/>	Kerouac had a clear understanding of the new post-war generation.
48.3%	67.3%	<input checked="" type="radio"/>	Kerouac had not received the recognition of "The Town and the City" that was deserved.
14.5%	9.8%	<input type="radio"/>	I don't know.
2.2%	1.5%		No response

**This is the Beat Generation," *The Characters of Prose*, Clellon Holmes. Reprinted by permission of the New York Times Company.

T01 09 5/1 03*X735011 R1000010
S08 11 5/1 03*X735011 R1000010

13 17
13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS													
					0	10	20	30	40	50	60	70	80	90	100			
		NATIONAL	13	48.3	*****													
		NATIONAL	17	67.3	13-->17	19.0	*****											
REGION	Southeast	13	46.8	*****														
		17	57.2	13-->17	10.4	*****												
	West	13	43.3	*****														
		17	70.9	13-->17	27.7	*****												
	Central	13	52.5	*****														
		17	70.4	13-->17	17.9	*****												
	Northeast	13	49.8	*****														
		17	69.2	13-->17	19.4	*****												
SEX	Male	13	44.0	*****														
		17	64.0	13-->17	20.0	*****												
	Female	13	52.8	*****														
		17	70.6	13-->17	17.8	*****												

T01 09 5/1 03*X735011 R1000010
 S08 11 5/1 03*X735011 R1000010

13 17
 13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

				PERCENTAGE OF SUCCESS										
	AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	0	10	20	30	40	50	60	70	80	90	100
	NATIONAL	13	48.3	*****										
	NATIONAL	17	67.3	13-->17	19.0	*****								
<u>COLOR</u>														
	Black	13	38.4	*****										
		17	44.6	13-->17	6.3	*****								
	White	13	49.8	*****										
		17	71.0	13-->17	21.1	*****								
<u>PARENTAL EDUCATION</u>														
	No High School	13	37.8	*****										
		17	46.0	13-->17	8.2	*****								
	Some High School	13	38.5	*****										
		17	48.6	13-->17	10.1	*****								
	Graduated High Sch.	13	47.8	*****										
		17	65.5	13-->17	17.7	*****								
	Post High School	13	56.1	*****										
		17	82.0	13-->17	25.9	*****								
	NATIONAL	13	48.3	*****										
	NATIONAL	17IS	68.0	13-->17	19.7	*****								
<u>SIZE-AND-TYPE OF COMMUNITY</u>														
	Extreme Inner City	13	46.4	*****										
		17IS	42.0	13-->17	-4.5	*****								
	Extreme Rural	13	52.1	*****										
		17IS	62.9	13-->17	10.7	*****								
	Small City	13	46.2	*****										
		17IS	65.5	13-->17	19.3	*****								
	Medium City	13	50.7	*****										
		17IS	70.5	13-->17	19.8	*****								
	Rest Of Big City	13	29.0	*****										
		17IS	72.6	13-->17	43.7	*****								
	Suburban Fringe	13	50.7	*****										
		17IS	70.3	13-->17	19.6	*****								
	Extreme Aff Suburb	13	55.2	*****										
		17IS	83.9	13-->17	28.7	*****								

Exercise 735 -- Age 13 and 17

Objective I: Comprehend what is read.

Subobjective B: Read phrases, clauses and sentences.

This passage is about the word "beat" as used in the "beat generation." The passage notes that "John Kerouac, the author of a fine, neglected novel 'The Town and the City,'...finally came up with [the word beat]" to describe the generation that went through World War II. Forty-eight percent of 13-year-olds and 67% of 17-year-olds were able to infer that "fine, neglected novel" means that Kerouac had not received the recognition of "The Town and the City" that was deserved--a percentage increase of 19 going from age 13 to age 17. Still, 33% of 17-year-olds failed on this exercise. Most of those who failed at both age levels chose "Kerouac had a clear understanding of the new post-war generation"--27% at age 13 and 18% at age 17. While this is undoubtedly true, it is not the answer to the question asked.

Exercise 738 -- Age 13 and 17

Read the passage and answer the questions which follow it.

Omitted due to
copyright restrictions

73801

Nat'l % Choosing Each Answer		What does the passage suggest a good farmer should understand about nature?	
Age 13	Age 17		
4.9%	2.6%	<input type="radio"/>	Insects are harmful to plants.
8.0%	7.0%	<input type="radio"/>	Birds are not harmful to plants.
15.7%	9.2%	<input type="radio"/>	Wheat may be damaged by both animals and other plants.
18.8%	9.0%	<input type="radio"/>	The amount of wheat he can raise depends on two factors: birds and insects.
49.4%	70.4%	<input checked="" type="radio"/>	A change in one factor of plants' surroundings may cause other factors to change.
2.9%	1.7%	<input type="radio"/>	I don't know.
0.3%	0.2%		No response

*Balance in Nature, Bertha Morris Parker. Reprinted by permission
of Harper and Row Publishers.

T04 06 3/1 05*X738011 R1000010
S02 13 3/1 05*X738011 R1000010

13 17
13 17

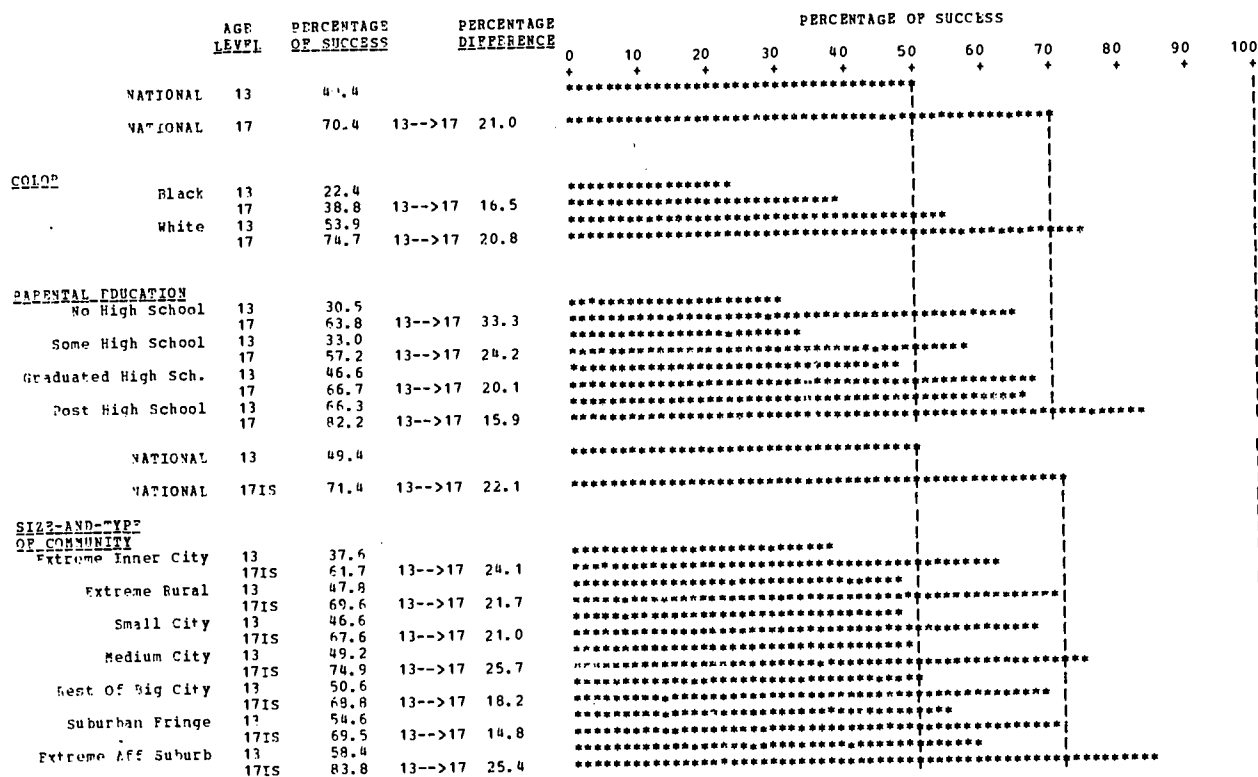
NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE LEV ¹	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS														
					0	10	20	30	40	50	60	70	80	90	100				
		NATIONAL	13	49.4	*****														
		NATIONAL	17	70.4	13-->17	21.0	*****												
REGION	Southeast	13	43.5		*****														
		17	62.5	13-->17	19.0	*****													
	West	13	50.4		*****														
		17	73.5	13-->17	23.1	*****													
	Central	13	49.6		*****														
		17	73.2	13-->17	23.6	*****													
	Northeast	13	54.2		*****														
		17	70.4	13-->17	16.2	*****													
	SEX					*****													
		Male	13	46.6		*****													
		17	69.8	13-->17	23.2	*****													
Female		13	52.0		*****														
		17	71.0	13-->17	19.0	*****													

04 06 3/1 05*X734011 R1000010
 02 13 3/1 05*X738011 R1000010

13 17
 13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS



73802

Nat'l %

Choosing

Each Answer

What important ideas about nature does
the writer want us to understand?Age 13 Age 17

1.6%	0.6%	<input type="radio"/>	Farmer Brown was worried about the heavy rainfall.
4.6%	1.8%	<input type="radio"/>	Nobody needs to have such destructive birds around.
3.1%	0.5%	<input type="radio"/>	Farmer Brown didn't want the temperature to change.
4.8%	1.4%	<input type="radio"/>	All insects need not only wheat rust but grasshoppers.
72.4%	93.0%	<input checked="" type="radio"/>	All living things are dependent on other living things.
7.1%	1.7%	<input type="radio"/>	I don't know.
6.4%	0.9%		No response

T04 06 4/1 05*X738021 R1000010
S02 13 4/1 05*X738021 R1000010

13 17
13 17

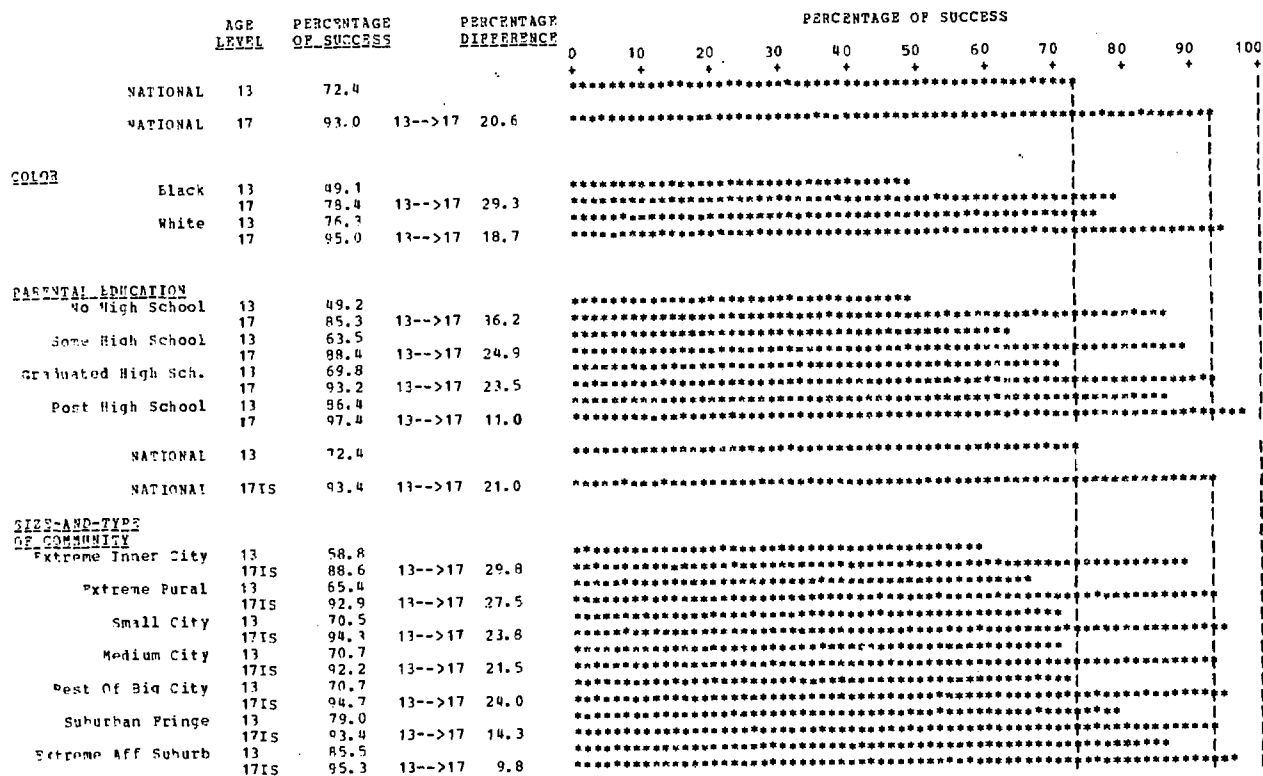
NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS																			
					0	10	20	30	40	50	60	70	80	90	100									
		NATIONAL	13	72.4	*****																			
		NATIONAL	17	93.0	13-->17	20.6	*****																	
REGION	Southeast	13	67.6		*****																			
		17	89.0	13-->17	21.4	*****																		
	West	13	73.5		*****																			
		17	92.4	13-->17	18.9	*****																		
	Central	13	71.5		*****																			
		17	95.2	13-->17	23.7	*****																		
Northeast	13	77.3		*****																				
	17	94.2	13-->17	16.9	*****																			
SEX	Male	13	67.8													*****								
		17	90.6	13-->17	22.8	*****																		
	Female	13	76.8		*****																			
		17	95.5	13-->17	18.6	*****																		

T04 06 4/1 05*X738021 R1000010
S02 13 4/1 05*X738021 R1000010

13 17
13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS



Exercise 738 -- Age 13 and 17

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

This passage describes the interrelationships among environmental factors and how a change in any one of them can affect many others. On part 73801, 49% of 13-year-olds and 70% of 17-year-olds were able to infer that a good farmer should understand that a change in one factor of plants' surroundings may cause other factors to change. This represents a percentage increase of 21 going from age 13 to age 17. However, 30% of 17-year-olds still failed on this task, and most of them chose answers that are specific to the example used in the first part of the passage. On part 73802, 72% of 13-year-olds and 93% of 17-year-olds were able to infer that all living things are dependent on other living things--a percentage increase of 21. Note that the percentage increase going from age 13 to age 17 is 21 for both parts. On 73801, however, 30% of 17-year-olds still failed while on 73802, only 7% still failed.

Exercise 742 -- Age 13, 17 and Adult

Read the passage and complete the sentence which follows it.

Between April and October the Persian Gulf is dotted with the small boats of pearl divers. Some seventy-five thousand of them are busy diving down and bringing up pearl-bearing oysters. These oysters are not the kind we eat. The edible oyster produces pearls of little or no value. You may have heard tales of diners who discovered pearls and sold them for great sums of money. These stories are entertaining but not accurate.*

Nat'l %
Choosing
Each Answer

			The Persian Gulf has many	
Age 13	Age 17	Adult		
11.0%	7.8%	6.8%	<input type="radio"/>	large boats of pearl divers.
3.2%	2.4%	1.5%	<input type="radio"/>	pearl divers who eat oysters.
20.0%	13.6%	10.8%	<input type="radio"/>	edible oysters that produce pearls.
59.8%	67.8%	73.2%	<input checked="" type="radio"/>	non-edible oysters that produce pearls.
3.3%	4.8%	4.8%	<input type="radio"/>	edible oysters that do not produce pearls.
2.3%	2.6%	1.8%	<input type="radio"/>	I don't know.
0.4%	1.1%	1.3%		No response

*The Real Book about Treasure, Hal Burton. Reprinted by permission of Garden City Books.

T05 06	3/1	04*X742011	R1000010	13 17 A
S02 03	3/1	04*X742011	R1000010	13 17 A
A06 05	3/1	04*X742011	R1000010	13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
					0	10	20	30	40	50	60	70	80	90	100
		NATIONAL	13	59.8	*****										
		NATIONAL	17	67.8	13-->17	8.1	*****								
		NATIONAL	Ad	73.2	17-->Ad	5.4	*****								
				13-->Ad	13.4	*****									
REGION	Southeast	13	49.4	*****											
		17	60.1	13-->17	10.8	*****									
		Ad	61.3	17-->Ad	1.2	*****									
	West			13-->Ad	12.0	*****									
		13	57.1	*****											
		17	71.8	13-->17	14.7	*****									
		Ad	77.7	17-->Ad	5.9	*****									
	Central			13-->Ad	20.6	*****									
		13	64.4	*****											
		17	68.7	13-->17	4.3	*****									
	Northeast			17-->Ad	8.7	*****									
		Ad	77.4	13-->Ad	12.9	*****									
SEX	Male	13	65.3	*****											
		17	69.2	13-->17	4.0	*****									
		Ad	73.0	17-->Ad	3.8	*****									
	Female			13-->Ad	7.7	*****									
		13	59.9	*****											
		17	69.7	13-->17	9.8	*****									
		Ad	76.1	17-->Ad	6.4	*****									
	Female			13-->Ad	16.2	*****									
		13	59.7	*****											
		17	65.9	13-->17	6.3	*****									
		Ad	70.5	17-->Ad	4.5	*****									
				13-->Ad	10.8	*****									

T05 06 3/1 04*X742011 R1000010
 S02 03 3/1 04*X742011 R1000010
 A06 05 3/1 04*X742011 R1000010

13 17 A
 13 17 A
 13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
					0	10	20	30	40	50	60	70	80	90	100
					+	+	+	+	+	+	+	+	+	+	+
		NATIONAL	13	59.8	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		NATIONAL	17	67.8	13-->17	8.1	*****	*****	*****	*****	*****	*****	*****	*****	*****
		NATIONAL	Ad	73.2	17-->Ad	5.4	*****	*****	*****	*****	*****	*****	*****	*****	*****
					13-->Ad	13.4	*****	*****	*****	*****	*****	*****	*****	*****	*****
<u>COLOR</u>															
		Black	13	25.1	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
			17	38.3	13-->17	13.2	*****	*****	*****	*****	*****	*****	*****	*****	*****
			Ad	39.0	17-->Ad	0.7	*****	*****	*****	*****	*****	*****	*****	*****	*****
					13-->Ad	13.9	*****	*****	*****	*****	*****	*****	*****	*****	*****
		White	13	65.4	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
			17	71.9	13-->17	6.4	*****	*****	*****	*****	*****	*****	*****	*****	*****
			Ad	77.7	17-->Ad	5.8	*****	*****	*****	*****	*****	*****	*****	*****	*****
					13-->Ad	12.3	*****	*****	*****	*****	*****	*****	*****	*****	*****
<u>PARENTAL EDUCATION</u>															
		No High School	13	36.0	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
			17	43.0	13-->17	7.0	*****	*****	*****	*****	*****	*****	*****	*****	*****
			Ad	64.6	17-->Ad	21.7	*****	*****	*****	*****	*****	*****	*****	*****	*****
					13-->Ad	28.6	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Some High School	13	51.4	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
			17	52.5	13-->17	1.0	*****	*****	*****	*****	*****	*****	*****	*****	*****
			Ad	67.3	17-->Ad	14.8	*****	*****	*****	*****	*****	*****	*****	*****	*****
					13-->Ad	15.9	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Graduated High Sch.	13	60.9	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
			17	66.0	13-->17	5.1	*****	*****	*****	*****	*****	*****	*****	*****	*****
			Ad	78.8	17-->Ad	12.8	*****	*****	*****	*****	*****	*****	*****	*****	*****
					13-->Ad	17.9	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Post High School	13	73.2	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
			17	91.0	13-->17	7.8	*****	*****	*****	*****	*****	*****	*****	*****	*****
			Ad	94.7	17-->Ad	3.7	*****	*****	*****	*****	*****	*****	*****	*****	*****
					13-->Ad	11.5	*****	*****	*****	*****	*****	*****	*****	*****	*****
		NATIONAL	13	59.8	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		NATIONAL	17IS	68.7	13-->17	8.9	*****	*****	*****	*****	*****	*****	*****	*****	*****
<u>SIZE-AND-TYPE OF COMMUNITY</u>															
		Extreme Inner City	13	37.8	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
			17IS	57.3	13-->17	19.4	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Extreme Rural	13	42.5	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
			17IS	66.7	13-->17	24.2	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Small City	13	58.4	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
			17IS	65.4	13-->17	7.0	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Medium City	13	67.4	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
			17IS	72.5	13-->17	5.1	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Rest Of Big City	13	53.8	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
			17IS	61.3	13-->17	7.5	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Suburban Fringe	13	63.5	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
			17IS	67.9	13-->17	4.3	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Extreme Aff Suburb	13	78.0	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
			17IS	81.3	13-->17	3.0	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 742 -- Age 13, 17 and Adult

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

From the facts given in this story, 60% of 13-year-olds, 68% of 17-year-olds and 73% of young adults were able to infer that the Persian Gulf has many inedible oysters that produce pearls. This represents a percentage increase of 8 going from age 13 to age 17 and a percentage increase of 5 going from age 17 to the young adult level. A number of facts must be related in order to arrive at the correct answer. That the Persian Gulf has many oysters must be inferred from "seventy-five thousand pearl divers." That the oysters are inedible must be inferred from "These oysters are not the kind we eat." While 60% of 13-year-olds were able to relate these facts and draw the appropriate inference, 27% of young adults were not able to do so.

Exercise 744 -- Age 13 and 17

Read the passage and answer the question which follows it.

- I Skiing has recently become one of the more popular sports in the United States. Because of its popularity, thousands of winter vacationers are flying north rather than south. In many areas, reservations are required months ahead of time.
- II I discovered the accommodation shortage through an unfortunate experience. On a sunny Saturday morning I set out from Denver for the beckoning slopes of Aspen, Colorado. After passing signs for other ski areas, I finally reached my destination. Naturally I lost no time in heading for the nearest tow. After a stimulating afternoon of miscalculated stem turns I was famished. Well, one thing led to another and it must have been eight o'clock before I concerned myself with a bed for my bruised and aching bones.
- III It took precisely one phone call to ascertain the lack of lodgings in the Aspen area. I had but one recourse. My auto and I started the treacherous jaunt over the pass and back towards Denver. Along the way, I went begging for a bed. Finally a jolly tavernkeeper took pity and for only thirty dollars a night allowed me the privilege of staying in a musty, dirty, bathless room above his tavern.

Nat'l % Choosing Each Answer		The author's love for skiing is suggested in which paragraph(s)?
Age 13	Age 17	
18.3%	9.3%	<input type="radio"/> I
35.2%	50.2%	<input checked="" type="radio"/> II
7.4%	3.4%	<input type="radio"/> III
13.0%	9.1%	<input type="radio"/> I and II
20.8%	25.8%	<input type="radio"/> None of the paragraphs
4.8%	0.8%	<input type="radio"/> Don't know.
0.5%	0.9%	response

T05 13 3/1 02*X744012 R02000T0
S07 16 3/1 02*X744012 R02000T0

13 17
13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

	AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS													
				0	10	20	30	40	50	60	70	80	90	100			
	NATIONAL	13	35.1	*****													
	NATIONAL	17	50.2	13-->17	15.1	*****											
REGION	Southeast	13	29.9	*****													
		17	43.9	13-->17	14.0	*****											
	West	13	34.7	*****													
		17	50.3	13-->17	15.7	*****											
	Central	13	36.9	*****													
		17	50.8	13-->17	13.8	*****											
	Northeast	13	37.8	*****													
		17	54.1	13-->17	16.3	*****											
SEX																	
	Male	13	34.3	*****													
		17	46.5	13-->17	12.2	*****											
	Female	13	35.9	*****													
	17	55.9	13-->17	19.0	*****												

13 17
13 17

		AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
					0	10	20	30	40	50	60	70	80	90	100
	NATIONAL	13	35.1		+	+	+	+	+	+	+	+	+	+	+
	NATIONAL	17	50.2	13-->17 15.1	*****										
<u>COLOR</u>															
	Black	13	20.4		*****										
		17	33.4	13-->17 13.0	*****										
	White	13	37.6		*****										
		17	52.6	13-->17 15.0	*****										
<u>PARENTAL EDUCATION</u>															
	No High School	13	25.1		*****										
		17	42.4	13-->17 17.4	*****										
	Some High School	13	35.5		*****										
		17	44.9	13-->17 9.4	*****										
	Graduated High Sch.	13	38.4		*****										
		17	51.2	13-->17 12.8	*****										
	Post High School	13	48.1		*****										
		17	53.2	13-->17 15.1	*****										
	NATIONAL	13	35.1		*****										
	NATIONAL	17IS	51.1	13-->17 15.9	*****										
<u>SIZE-AND-TYPE OF COMMUNITY</u>															
	Extreme Inner City	13	25.5		*****										
		17IS	42.7	13-->17 17.1	*****										
	Extreme Rural	13	32.3		*****										
		17IS	53.8	13-->17 21.5	*****										
	Small City	13	38.5		*****										
		17IS	48.3	13-->17 9.7	*****										
	Medium City	13	37.2		*****										
		17IS	50.1	13-->17 12.9	*****										
	Rest Of Big City	13	22.9		*****										
		17IS	62.8	13-->17 39.9	*****										
	Suburban Fringe	13	36.0		*****										
		17IS	50.3	13-->17 14.3	*****										
	Extreme Aff Suburb	13	39.6		*****										
		17IS	55.4	13-->17 15.8	*****										

Exercise 744 -- Age 13 and 17

Objective II: Analyze what is read.

Subobjective C: See the technique by which the author has created his effects.

This story is concerned primarily with the author's difficulty in obtaining accommodations near a ski area. The second paragraph, however, presents a number of facts from which one may infer the author's love for skiing. Thirty-five percent of 13-year-olds and 50% of 17-year-olds recognized that paragraph II implies the author's love for skiing--a percentage increase of 15. However, 50% of 17-year-olds failed; and, of those who failed, half said that none of the paragraphs suggested the author's love for skiing.

Exercise 746 -- Age 13 and 17

Read the passage and complete the sentence which follows it.

Art says that the polar ice cap is melting at the rate of 3% per year. Bert says that this isn't true because the polar ice cap is really melting at the rate of 7% per year.

Nat'l %
Choosing
Each Answer

We know for CERTAIN that

Age 13 Age 17

- 3.4% 0.7% ☐ Art is wrong.
4.0% 0.5% ☐ Bert is wrong.
5.4% 2.5% ☐ they are both wrong.
21.8% 8.6% ☐ they both might be right.
55.3% 82.5% ☒ they can't both be right.
9.8% 5.0% ☐ I don't know.
0.3% 0.2% No response

T08 02 3/1 05*X746014 R0004010
S06 08 3/1 05*X746014 R0004010

13 17
13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

	AGE LEVEL	PERCENTAGE OF SUCCESS		PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS											
					0	10	20	30	40	50	60	70	80	90	100	
	NATIONAL	13	55.3		+	+	+	+	+	+	+	+	+	+	+	
	NATIONAL	17	82.5	13-->17	27.2	*****										
REGION	Southeast	13	49.5		*****											
		17	81.7	13-->17	32.2	*****										
	West	13	54.1		*****											
		17	82.6	13-->17	28.5	*****										
	Central	13	57.5		*****											
		17	84.7	13-->17	27.2	*****										
	Northeast	13	60.2		*****											
		17	80.6	13-->17	20.4	*****										
	SEX					*****										
Male		13	53.3		*****											
		17	81.9	13-->17	28.6	*****										
Female		13	57.5		*****											
		17	83.2	13-->17	25.6	*****										

T08 02 3/1 05*X746014 R0004010
S96 0R 3/1 05*X746014 R0004010

13 17
13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

				PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
				+ + + + + + + + + + + + +										
AGE	LEVEL	PERCENTAGE	PERCENTAGE											
		OF SUCCESS	DIFFERENCE											
NATIONAL	13	55.3		*****										
NATIONAL	17	82.5	13-->17 27.2	*****										
<u>COLOR</u>														
Black	13	35.3		*****										
	17	63.7	13-->17 28.4	*****										
White	13	58.3		*****										
	17	85.4	13-->17 27.1	*****										
<u>PARENTAL EDUCATION</u>														
No High School	13	35.3		*****										
	17	73.0	13-->17 37.7	*****										
Some High School	13	54.5		*****										
	17	78.2	13-->17 23.6	*****										
Graduated High Sch.	13	52.1		*****										
	17	84.6	13-->17 32.5	*****										
Post High School	13	66.1		*****										
	17	88.4	13-->17 22.4	*****										
NATIONAL	13	55.3		*****										
NATIONAL	17IS	83.3	13-->17 28.0	*****										
<u>SIZE-AND-TYPE</u>														
<u>OF COMMUNITY</u>														
Extreme Inner City	13	43.1		*****										
	17IS	69.1	13-->17 26.0	*****										
Extreme Rural	13	54.3		*****										
	17IS	84.7	13-->17 30.5	*****										
Small City	13	52.6		*****										
	17IS	84.2	13-->17 31.6	*****										
Medium City	13	53.2		*****										
	17IS	80.0	13-->17 26.7	*****										
West Of Big City	13	64.3		*****										
	17IS	84.7	13-->17 20.4	*****										
Suburban Fringe	13	58.0		*****										
	17IS	86.8	13-->17 28.8	*****										
Extreme Aff Suburb	13	62.3		*****										
	17IS	88.8	13-->17 26.5	*****										

Exercise 746 -- Age 13 and 17

Objective IV: Reason logically from what is read.

Subobjective C: Reason from a general principle to specific instances.

Here Art says the polar ice cap is melting at one rate, and Bert says a different rate. From the information given, 55% of 13-year-olds and 83% of 17-year-olds were able to infer that we know for CERTAIN that they both can't be right--a percentage increase of 28. However, 17% of 17-year-olds still failed to infer that both Art and Bert could not be right. The most notable change in the incorrect foils was for the answer "they both might be right" chosen by 22% of 13-year-olds but only 9% of 17-year-olds.

Exercise 747 -- Age 13 and 17

Read the poem and answer the question which follows it.

Fortune and Men's Eyes*

Shakespeare

1 When, in disgrace with fortune and men's eyes,
2 I all alone beweepe my outcast state,
3 And trouble deaf heaven with my bootless cries,
4 And look upon myself and curse my fate,
5 Wishing me like to one more rich in hope,
6 Featured like him, like him with friends possessed
7 Desiring this man's art, and that man's scope,
8 With what I most enjoy contented least;
9 Yet in these thoughts myself almost despising,
10 Haply I think on thee; and then my state,
11 Like to the lark at break of day arising
12 From sullen earth, sings hymns at heaven's gate;
13 For thy sweet love remembered, such wealth brings
14 That then I scorn to change my state with kings.

Nat'l %
Choosing

Each Answer What saves this man from wishing to be different
than he is?

Age 13 Age 17

9.8% 5.5% ☐ "Such wealth brings"
15.4% 9.4% ☐ "Hymns at heaven's gate"
9.8% 12.1% ☐ "The lark at break of day"
29.8% 51.9% ☒ "Thy sweet love remembered"
17.4% 12.2% ☐ "Change my state with kings"
15.0% 8.2% ☐ I don't know.
2.8% 0.9% No response

*Sonnet 29, William Shakespeare.

T08 03 4/1 04*X747011 R1000010
S08 12 4/1 04*X747011 R1000010

13 17
13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

	AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
REGION	NATIONAL	13	29.8	-	+	+	+	+	+	+	+	+	+	+
	NATIONAL	17	51.9	13-->17	22.1	+	+	+	+	+	+	+	+	+
	Southeast	13	33.6											
	West	17	43.0	13-->17	9.5									
	Central	13	27.1											
	Central	17	56.7	13-->17	29.6									
	Northeast	13	29.8											
	Northeast	17	54.2	13-->17	24.4									
	Northeast	13	28.5											
	Northeast	17	52.5	13-->17	24.0									
SEX	Male	13	27.5											
	Male	17	44.6	13-->17	17.1									
	Female	13	32.2											
	Female	17	59.2	13-->17	27.0									

T08 03 4/1 04*X747011 R1000010
S08 12 4/1 04*X747011 R1000010

13 17
13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE	PERCENTAGE	PERCENTAGE	PERCENTAGE OF SUCCESS										
		LEVEL	OF SUCCESS	DIFFERENCE	0	10	20	30	40	50	60	70	80	90	100
		NATIONAL	13	29.8	*****	+			+	+	+	+	+	+	+
		NATIONAL	17	51.9	13-->17	22.1	*****	*****	*****	*****	*****	*****	*****	*****	*****
<u>COLOR</u>		Black	13	22.2	*****										
			17	27.6	13-->17	5.4	*****	*****	*****	*****	*****	*****	*****	*****	*****
		White	13	31.2	*****										
			17	55.6	13-->17	24.5	*****	*****	*****	*****	*****	*****	*****	*****	*****
<u>PARENTAL EDUCATION</u>		No High School	13	28.1	*****										
			17	34.8	13-->17	6.7	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Some High School	13	31.1	*****										
			17	42.4	13-->17	11.3	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Graduated High Sch.	13	29.9	*****										
			17	49.3	13-->17	19.3	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Post High School	13	33.4	*****										
			17	62.5	13-->17	29.1	*****	*****	*****	*****	*****	*****	*****	*****	*****
		NATIONAL	13	29.8	*****										
		NATIONAL	17IS	52.8	13-->17	23.0	*****	*****	*****	*****	*****	*****	*****	*****	*****
<u>SIZE-AND-TYPE</u>		Extreme Inner City	13	22.4	*****										
			17IS	40.8	13-->17	18.5	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Extreme Rural	13	36.2	*****										
			17IS	47.5	13-->17	11.3	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Small City	13	28.8	*****										
			17IS	50.5	13-->17	21.7	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Medium City	13	31.0	*****										
			17IS	52.5	13-->17	21.5	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Rest Of Big City	13	37.6	*****										
			17IS	57.8	13-->17	20.2	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Suburban Fringe	13	28.1	*****										
			17IS	58.1	13-->17	26.0	*****	*****	*****	*****	*****	*****	*****	*****	*****
		Extreme Aff Suburb	13	28.4	*****										
			17IS	64.7	13-->17	36.2	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 747 -- Age 13 and 17

Objective I: Comprehend what is read.

Subobjective B: Read phrases, clauses and sentences.

In this Shakespearean sonnet, a man bewails his state but does not wish to be different because as the last two lines state,

For thy sweet love remembered, such wealth brings
That then I scorn to change my state with kings.

Only 30% of 13-year-olds and 52% of 17-year-olds were able to infer that "Thy sweet love remembered" saves the man from wanting to be different than he is. While this represents a percentage increase of 22 going from age 13 to age 17, 48% of 17-year-olds still failed to draw the proper inference.

Exercise 748 -- Age 13 and 17

Read the story and complete the sentence which follows it.

My name is Gregory Gotrocks, and I live in Peoria, Illinois. I sell tractors. In June 1952, the Gotrocks Tractor Company (my dad happens to be the president) sent me to Nepal-Tibet to check on our sales office there.

Business was slow and I had a lot of time to kill. I decided to see Mt. Everest so that I could tell everyone back in Peoria that I had seen it.

It was beautiful. I was spellbound. I simply had to see what the view looked like from the top. So I started up the northwest slope. Everyone knows that this is the best route to take. It took me three long hours to reach the top, but the climb was well worth it.*

Hat'1 %

Choosing

Each Answer Gregory Gotrocks went to see Mt. Everest so that he could

Age 13 Age 17

- | | | | |
|-------|-------|----------------------------------|----------------------------------|
| 1.8% | 2.1% | <input type="radio"/> | see some friends. |
| 11.2% | 6.6% | <input type="radio"/> | sell some tractors. |
| 4.4% | 3.9% | <input type="radio"/> | take a picture of it. |
| 0.6% | 0.2% | <input type="radio"/> | plant a flag at its base. |
| 76.2% | 83.4% | <input checked="" type="radio"/> | entertain his friends back home. |
| 5.3% | 3.1% | <input type="radio"/> | I don't know. |
| 0.4% | 0.7% | | No response |

*Climbing Mt. Everest, A.J. Lewis.

T09 03 3/1 05*X748011 R1000010
S07 11 3/1 05*X748011 R1000010

13 17
13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
					0	10	20	30	40	50	60	70	80	90	100
NATIONAL		13	76.2		*****										
NATIONAL		17	83.4	13-->17 7.2	*****										
REGION	Southeast	13	75.4		*****										
		17	78.9	13-->17 3.5	*****										
	West	13	74.8		*****										
		17	84.4	13-->17 9.5	*****										
	Central	13	78.2		*****										
		17	82.8	13-->17 4.6	*****										
Northeast		13	76.0		*****										
		17	86.6	13-->17 10.6	*****										
SEX	Male	13	73.6		*****										
		17	79.8	13-->17 6.2	*****										
	Female	13	79.0		*****										
		17	87.1	13-->17 8.1	*****										

T09 03 3/1 05*X748011 R1000010
 S07 11 3/1 05*X748011 R1000010

13 17
 13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
					0	10	20	30	40	50	60	70	80	90	100
		NATIONAL	13	76.2	.....									
		NATIONAL	17	83.4	13-->17	7.2	.....							
COLOR															
		Black	13	59.9	.....									
			17	69.9	13-->17	10.0	.....							
		White	13	80.4	.....									
			17	85.5	13-->17	5.1	.....							
PARENTAL EDUCATION															
		No High School	13	54.9	.....									
			17	72.5	13-->17	17.6	.....							
		Some High School	13	71.8	.....									
			17	77.5	13-->17	3.7	.....							
		Graduated High Sch.	13	76.0	.....									
			17	82.2	13-->17	6.2	.....							
		Post High School	13	93.0	.....									
			17	90.5	13-->17	7.5	.....							
		NATIONAL	13	76.2	.....									
		NATIONAL	17IS	83.9	13-->17	7.7	.....							
SIZE-AND-TYPE OF COMMUNITY															
		Extreme Inner City	13	72.4	.....									
			17IS	75.9	13-->17	3.6	.....							
		Extreme Rural	13	76.6	.....									
			17IS	82.8	13-->17	6.2	.....							
		Small City	13	74.7	.....									
			17IS	82.1	13-->17	7.4	.....							
		Medium City	13	80.4	.....									
			17IS	86.7	13-->17	6.3	.....							
		Rest Of Big City	13	67.4	.....									
			17IS	82.6	13-->17	15.2	.....							
		Suburban Fringe	13	79.1	.....									
			17IS	83.3	13-->17	4.2	.....							
		Extreme Off Suburb	13	77.4	.....									
			17IS	93.8	13-->17	16.4	.....							

Exercise 748 -- Age 13 and 17

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

Seventy-six percent of 13-year-olds and 83% of 17-year-olds were able to infer, from the facts given in the second and third paragraphs of this passage, that Gregory Gotrocks went to see Mt. Everest so that he could entertain his friends back home. This represents a percentage increase of only 7 with 17% of 17-year-olds still failing.

Exercise 750 -- Age 13 and 17

Read the story and answer the question which follows it.

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restriction

Nat'l % Choosing Each Answer		Which one of the following seems to be FALSE?	
Age 13	Age 17		
44.2%	32.5%	<input type="radio"/>	The Frangibles had been visited before.
4.5%	3.6%	<input type="radio"/>	Space travel had progressed a great deal.
6.2%	5.4%	<input type="radio"/>	Xeno was a considerable distance from Earth.
25.5%	40.5%	<input checked="" type="radio"/>	Earthmen were the only creatures to have traveled in space..
14.2%	10.3%	<input type="radio"/>	There was cooperation between inhabitants of various planets.
6.0%	6.9%	<input type="radio"/>	I don't know.
0.4%	0.9%		No response

*Space Trip, Martha S. Clapp. Reprinted by permission of Martha S. Clapp.

T11 07 3/1 04*X750014 R0004010
S03 10 3/1 04*X750014 R0004010

13 17
13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

	AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
REGION	NATIONAL	13	24.5		+	+	+	+	+	+	+	+	+	+
	NATIONAL	17	40.4	13-->17	15.9	+	+	+	+	+	+	+	+	+
	Southeast	13	22.9		+	+	+	+	+	+	+	+	+	+
	West	13	35.5	13-->17	12.6	+	+	+	+	+	+	+	+	+
	Central	13	23.1		+	+	+	+	+	+	+	+	+	+
	Central	17	41.1	13-->17	18.1	+	+	+	+	+	+	+	+	+
	Northeast	13	25.7		+	+	+	+	+	+	+	+	+	+
	Northeast	17	47.7	13-->17	15.0	+	+	+	+	+	+	+	+	+
	Northeast	13	26.1		+	+	+	+	+	+	+	+	+	+
	Northeast	17	43.4	13-->17	17.3	+	+	+	+	+	+	+	+	+
SEX	Male	13	26.0		+	+	+	+	+	+	+	+	+	+
	Male	17	40.0	13-->17	14.0	+	+	+	+	+	+	+	+	+
	Female	13	23.1		+	+	+	+	+	+	+	+	+	+
	Female	17	40.9	13-->17	17.9	+	+	+	+	+	+	+	+	+

T11 07 3/1 04*X750014 R0004010
S03 10 3/1 04*X750014 R0004010

13 17
13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

	AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
NATIONAL	13	24.5		+	+	+	+	+	+	+	+	+	+	+
NATIONAL	17	40.4	13-->17	15.9										
<u>COLORED</u>														
Black	13	19.1												
	17	28.5	13-->17	9.4										
White	13	25.7												
	17	42.1	13-->17	16.4										
<u>PARENTAL EDUCATION</u>														
No High School	13	22.3												
	17	22.2	13-->17	-0.1										
Some High School	13	21.6												
	17	27.2	13-->17	5.6										
Graduated High Sch.	13	23.9												
	17	40.0	13-->17	16.1										
Post High School	13	28.7												
	17	49.8	13-->17	21.1										
NATIONAL	13	24.5												
NATIONAL	17IS	41.2	13-->17	16.6										
<u>SIZE-AND-TYPE OF COMMUNITY</u>														
Extreme Inner City	13	18.3												
	17IS	40.1	13-->17	21.8										
Extreme Rural	13	16.4												
	17IS	32.9	13-->17	16.5										
Small City	13	24.8												
	17IS	40.1	13-->17	15.3										
Medium City	13	30.1												
	17IS	39.0	13-->17	8.9										
Rest of City	13	25.4												
	17IS	43.0	13-->17	17.6										
Suburban Fringe	13	23.7												
	17IS	40.4	13-->17	16.8										
Extreme Aff Suburb	13	29.8												
	17IS	50.6	13-->17	20.8										

Exercise 750 -- Age 13 and 17

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

This story tells about a space trip by Earthmen to the planet Xeno, land of the Frangibles. Only 26% of 13-year-olds and 41% of 17-year-olds were able to infer from the fact that the population of Xeno was listed as "friendly" in the Inter-stellar Gazetteer that the statement "Earthmen were the only creatures to have traveled in space" was FALSE. This represents a percentage increase of 15 but leaves 59% of 17-year-olds still failing. The 44% of 13-year-olds and 33% of 17-year-olds who said "The Frangibles had been visited before" was FALSE may have missed the point of the story. According to the passage, however, it is true that the Frangibles had never been visited by Earthmen.

Exercise 752 -- Age 13 and 17

Read the passage and answer the questions which follow it.

Omitted due to
copyright restrictions

75201

Nat'l %
Choosing
Each Answer

What is the "abyss" along which the
young couples are marching?

Age 13 Age 17

4.2%	1.0%	<input type="radio"/> Nuclear war
20.8%	7.2%	<input type="radio"/> Unemployment
4.7%	2.1%	<input type="radio"/> Mental breakdown
60.2%	79.6%	<input checked="" type="radio"/> Financial disaster
2.9%	0.4%	<input type="radio"/> Catastrophic illness
7.0%	8.0%	<input type="radio"/> I don't know.
0.2%	1.8%	No response

*The Organization Man, William H. Whyte, Jr. Reprinted by permission of Doubleday and Co.

T11 13 3/1 04*X752014 U0004010
S06 09 3/1 04*X752014 U0004010

13 17
13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
					0	10	20	30	40	50	60	70	80	90	100
NATIONAL		13	60.2		*****										
NATIONAL		17	79.6	13-->17 19.4	*****										
REGION															
Southeast		13	53.3		*****										
		17	74.5	13-->17 21.2	*****										
West		13	58.4		*****										
		17	75.2	13-->17 16.7	*****										
Central		13	60.8		*****										
		17	81.5	13-->17 20.7	*****										
Northeast		13	57.9		*****										
		17	84.9	13-->17 17.0	*****										
SEX															
Male		13	56.1		*****										
		17	76.9	13-->17 19.8	*****										
Female		13	64.3		*****										
		17	83.3	13-->17 19.0	*****										

711 13 3/1 04*1752014 00004010
 506 09 3/1 04*1752014 00004010

13 17
 13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE	PERCENTAGE	PERCENTAGE	PERCENTAGE OF SUCCESS										
		LEVEL	OF SUCCESS	DIFFERENCE	0	10	20	30	40	50	60	70	80	90	100
NATIONAL		13	60.2		+	+	+	+	+	+	+	+	+	+	+
NATIONAL		17	79.6	13-->17 19.4	+	+	+	+	+	+	+	+	+	+	+
<u>COLOR</u>															
	Black	13	43.3		+	+	+	+	+	+	+	+	+	+	+
		17	61.1	13-->17 17.9	+	+	+	+	+	+	+	+	+	+	+
	White	13	63.5		+	+	+	+	+	+	+	+	+	+	+
		17	82.1	13-->17 18.5	+	+	+	+	+	+	+	+	+	+	+
<u>PARENTAL EDUCATION</u>															
	No High School	13	41.6		+	+	+	+	+	+	+	+	+	+	+
		17	66.0	13-->17 24.5	+	+	+	+	+	+	+	+	+	+	+
	Some High School	13	55.2		+	+	+	+	+	+	+	+	+	+	+
		17	72.0	13-->17 16.8	+	+	+	+	+	+	+	+	+	+	+
	Graduated High Sch.	13	58.8		+	+	+	+	+	+	+	+	+	+	+
		17	81.3	13-->17 22.6	+	+	+	+	+	+	+	+	+	+	+
	Post High School	13	71.5		+	+	+	+	+	+	+	+	+	+	+
		17	96.0	13-->17 14.5	+	+	+	+	+	+	+	+	+	+	+
NATIONAL		13	60.2		+	+	+	+	+	+	+	+	+	+	+
NATIONAL		17IS	80.5	13-->17 20.3	+	+	+	+	+	+	+	+	+	+	+
<u>SIZE-AND-TYPE</u>															
<u>OF COMMUNITY</u>															
	Extreme Inner City	13	47.4		+	+	+	+	+	+	+	+	+	+	+
		17IS	77.8	13-->17 30.4	+	+	+	+	+	+	+	+	+	+	+
	Extreme Rural	13	48.2		+	+	+	+	+	+	+	+	+	+	+
		17IS	79.5	13-->17 30.3	+	+	+	+	+	+	+	+	+	+	+
	Small City	13	59.1		+	+	+	+	+	+	+	+	+	+	+
		17IS	77.5	13-->17 18.4	+	+	+	+	+	+	+	+	+	+	+
	Medium City	13	67.0		+	+	+	+	+	+	+	+	+	+	+
		17IS	79.6	13-->17 12.6	+	+	+	+	+	+	+	+	+	+	+
	Rest of Big City	13	59.3		+	+	+	+	+	+	+	+	+	+	+
		17IS	81.5	13-->17 22.2	+	+	+	+	+	+	+	+	+	+	+
	Suburban Fringe	13	64.8		+	+	+	+	+	+	+	+	+	+	+
		17IS	80.8	13-->17 15.9	+	+	+	+	+	+	+	+	+	+	+
	Extreme Aff Suburb	13	69.5		+	+	+	+	+	+	+	+	+	+	+
		17IS	90.0	13-->17 20.5	+	+	+	+	+	+	+	+	+	+	+

75202

Nat'l :

Choosing
Each AnswerWhat conclusion does the author reach
concerning carefully charted debt among
young couples in the United States today?

Age 13 Age 17

8.6%	1.6%	<input type="radio"/>	It is a symbol of love.
9.2%	3.4%	<input type="radio"/>	It brings marital happiness.
54.6%	68.8%	<input checked="" type="radio"/>	It helps them to feel secure.
9.0%	4.9%	<input type="radio"/>	It enables them to acquire wealth.
11.1%	6.9%	<input type="radio"/>	It provides them with material goods.
6.8%	10.5%	<input type="radio"/>	I don't know.
0.8%	3.9%		No response

T11 13 4/1 03*X752021 01000010
S06 09 4/1 03*X752021 01000010

13 17
13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

					PERCENTAGE OF SUCCESS										
		AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	0	10	20	30	40	50	60	70	80	90	100
NATIONAL		13	54.6		+	+	+	+	+	+	+	+	+	+	+
NATIONAL		17	68.8	13-->17 14.2	+	+	+	+	+	+	+	+	+	+	+
REGION	Southeast	13	53.5		+	+	+	+	+	+	+	+	+	+	+
		17	60.5	13-->17 7.0	+	+	+	+	+	+	+	+	+	+	+
	West	13	52.4		+	+	+	+	+	+	+	+	+	+	+
		17	66.5	13-->17 14.1	+	+	+	+	+	+	+	+	+	+	+
	Central	13	54.2		+	+	+	+	+	+	+	+	+	+	+
		17	70.5	13-->17 16.2	+	+	+	+	+	+	+	+	+	+	+
	Northeast	13	58.0		+	+	+	+	+	+	+	+	+	+	+
		17	74.9	13-->17 17.0	+	+	+	+	+	+	+	+	+	+	+
	SEX	Male	13	46.8		+	+	+	+	+	+	+	+	+	+
17			62.8	13-->17 16.0	+	+	+	+	+	+	+	+	+	+	+
Female		13	62.5		+	+	+	+	+	+	+	+	+	+	+
		17	74.9	13-->17 12.4	+	+	+	+	+	+	+	+	+	+	+

T11 13 4/1 03*X752021 11000010
S06 09 4/1 03*X752021 11000010

13 17
13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

				PERCENTAGE OF SUCCESS										
	AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	0	10	20	30	40	50	60	70	80	90	100
NATIONAL	13	54.6		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
NATIONAL	17	58.9	13-->17	14.2	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
<u>COLOR</u>														
Black	13	35.0		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	17	43.7	13-->17	8.8	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
White	13	58.5		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	17	72.1	13-->17	13.6	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
<u>PARENTAL EDUCATION</u>														
No High School	11	43.3		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	17	51.7	13-->17	8.4	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
Some High School	13	45.5		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	17	61.1	13-->17	15.6	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
Graduated High Sch.	13	55.1		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	17	67.8	13-->17	12.6	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
Post High School	13	61.2		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	17	78.1	13-->17	16.9	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
NATIONAL	13	54.6		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
NATIONAL	17IS	70.0	13-->17	15.4	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
<u>SIZE-AND-TYPE OF COMMUNITY</u>														
Extreme Inner City	13	42.1		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	17IS	67.6	13-->17	25.5	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
Extreme Rural	13	46.7		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	17IS	60.5	13-->17	13.8	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
Small City	13	55.5		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	17IS	67.4	13-->17	10.9	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
Medium City	13	54.3		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	17IS	70.5	13-->17	16.3	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
Rest Of Big City	13	51.7		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	17IS	74.6	13-->17	22.9	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
Suburban Fringe	13	56.1		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	17IS	69.3	13-->17	13.2	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
Extreme Aff Suburb	13	66.9		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	17IS	80.5	13-->17	13.6	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Exercise 752 -- Age 13 and 17

75201

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

75202

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

This passage describes the spending habits of suburbanites--committing nearly their entire income to monthly payments. On part 75201, 60% of 13-year-olds and 80% of 17-year-olds were able to infer that the "abyss" along which the young couples are marching is financial disaster--a percentage increase of 20. Most of the 20% of 17-year-olds who still failed either admitted not knowing the answer (8%) or said unemployment (7%). On part 75202, 55% of 13-year-olds and 69% of 17-year-olds were able to infer that carefully charted debt helps suburbanites feel secure. This represents a percentage increase of 14, but 31% of 17-year-olds failed to draw the appropriate inference. Twenty-one percent of the 13-year-olds said "unemployment."

Exercise 754 -- Age 13 and 17

Read the verse and fill in the oval beside the object described in the verse.

You see me when I'm right or wrong;
My face I never hide.
My hands move slowly round and round
And o'er me minutes glide.

Nat'l %
Choosing
Each Answer

Age 13 Age 17

2.5%	1.8%	<input type="radio"/> Book
93.4%	95.7%	<input checked="" type="radio"/> Clock
2.1%	1.0%	<input type="radio"/> Record
0.5%	0.2%	<input type="radio"/> Table
0.9%	0.8%	<input type="radio"/> I don't know.
0.7%	0.5%	No response

T12 04 3/1 02*X754014 R0004010
S01 01 3/1 02*X754014 R0004010

13 17
13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE			PERCENTAGE OF SUCCESS										
		LEVEL	PERCENTAGE	PERCENTAGE	0	10	20	30	40	50	60	70	80	90	100
			OF SUCCESS	DIFFERENCE	+	+	+	+	+	+	+	+	+	+	+
		NATIONAL	13	93.4	.....									
		NATIONAL	17	95.6	13-->17	2.2	.....							
REGION	Southeast	13	87.9		.....									
		17	91.4	13-->17	3.5	.....								
	West	13	94.4		.....									
		17	96.8	13-->17	2.4	.....								
	Central	13	95.3		.....									
		17	95.3	13-->17	-0.0	.....								
	Northeast	13	95.5		.....									
		17	98.4	13-->17	2.9	.....								
SEX					.....									
	Male	13	90.1		.....									
		17	93.3	13-->17	3.2	.....								
	Female	13	96.7		.....									
		17	97.7	13-->17	1.0	.....								

T12 04 3/1 02*X754014 R0004010
S01 01 3/1 02*X754014 R0004010

13 17
13 17

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

				PERCENTAGE OF SUCCESS										
	AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	0	10	20	30	40	50	60	70	80	90	100
NATIONAL				93.4										
NATIONAL				17	95.6	13-->17	2.2							
COLOR														
Black				13	82.7									
17				87.2	13-->17	4.9								
White				13	95.3									
17				96.7	13-->17	1.4								
PARENTAL EDUCATION														
No High School				13	89.1									
17				86.4	13-->17	-2.8								
Some High School				13	88.9									
17				92.7	13-->17	3.8								
Graduated High Sch.				13	93.6									
17				96.1	13-->17	2.5								
Post High School				13	97.2									
17				98.4	13-->17	1.2								
NATIONAL				13	93.4									
NATIONAL				17IS	95.9	13-->17	2.5							
SIZE-AND-TYPE OF COMMUNITY														
Extreme Inner City				13	91.6									
17IS				95.1	13-->17	3.5								
Extreme Rural				13	85.8									
17IS				92.1	13-->17	6.4								
Small City				13	92.6									
17IS				94.5	13-->17	1.9								
Medium City				13	94.0									
17IS				95.9	13-->17	1.9								
Rest Of Big City				13	94.7									
17IS				96.8	13-->17	2.1								
Suburban Fringe				13	96.2									
17IS				97.2	13-->17	1.1								
Extreme Aff Suburb				13	97.8									
17IS				99.1	13-->17	1.4								

Exercise 754 -- Age 13 and 17

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

Ninety-three percent of 13-year-olds and 96% of 17-year-olds were able to infer that a clock is described in this riddle. This apparently was an easy exercise for both age levels.

Exercise 755 -- Age 13, 17 and Adult

Read the Passage and answer the questions which follow it.

Nat'l % Choosing Each Answer			Why was there primitiveness and self-containment in Nayon before 1910?	
Age 13	Age 17	Adult		
13.4%	10.3%	10.8%	<input type="radio"/>	Social mores
39.2%	33.5%	30.6%	<input type="radio"/>	Cultural tradition
7.0%	3.5%	2.5%	<input type="radio"/>	Biological instincts
26.6%	44.6%	45.9%	<input checked="" type="radio"/>	Geographical factors
5.0%	1.9%	1.4%	<input type="radio"/>	Religious regulations
7.2%	5.3%	7.5%	<input type="radio"/>	I don't know.
1.7%	1.0%	1.3%		No response

*"The Village in an Industrial World," *Scientific Monthly*,
August 1953. Reprinted by permission of the publisher.

T12 06 3/1 04*X755011 R1000010
S10 09 3/1 04*X755011 R1000010
A03 12 3/1 04*X755011 R1000010

13 17 A
13 17 A
13 17 A

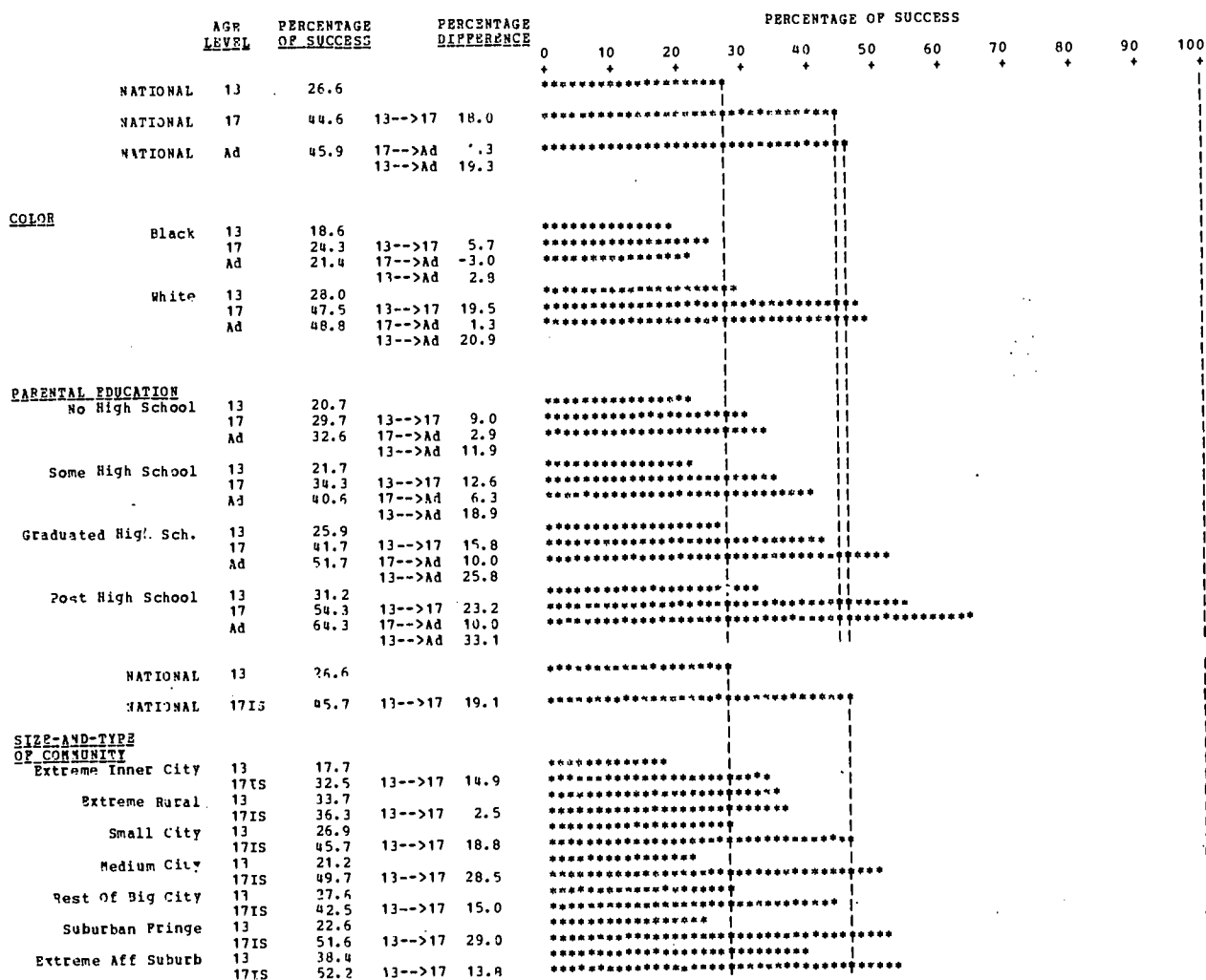
NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
					0	10	20	30	40	50	60	70	80	90	100
		NATIONAL	13	26.6	*****										
		NATIONAL	17	44.6	13-->17	18.0	*****								
		NATIONAL	Ad	45.9	17-->Ad	1.3	*****								
				13-->Ad	19.3	*****									
REGION	Southeast	13	20.1	*****											
		17	35.0	13-->17	14.9	*****									
		Ad	29.6	17-->Ad	-5.4	*****									
				13-->Ad	9.4	*****									
	West	13	26.7	*****											
		17	47.6	13-->17	20.9	*****									
		Ad	53.1	17-->Ad	5.6	*****									
				13-->Ad	26.4	*****									
	Central	13	28.4	*****											
		17	48.0	13-->17	19.7	*****									
		Ad	41.3	17-->Ad	-6.7	*****									
				13-->Ad	12.9	*****									
	Northeast	13	30.4	*****											
		17	45.8	13-->17	15.4	*****									
	Ad	54.0	17-->Ad	8.2	*****										
			13-->Ad	23.6	*****										
SEX	Male	13	28.9	*****											
		17	44.0	13-->17	15.2	*****									
		Ad	49.3	17-->Ad	5.2	*****									
				13-->Ad	20.4	*****									
	Female	13	24.4	*****											
		17	45.2	13-->17	20.8	*****									
		Ad	42.7	17-->Ad	-2.5	*****									
				13-->Ad	18.3	*****									

T12 06 3/1 04*X755011 R1000010
 S10 09 3/1 04*X755011 R1000010
 A03 12 3/1 04*X755011 R1000010

13 17 A
 13 17 A
 13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS



75502

Nat'l %
Choosing
Each Answer

By 1948 the village of Nayon was

Age 13	Age 17	Adult	
27.6%	14.7%	20.1%	<input type="radio"/> a self-sufficient village.
6.1%	3.2%	2.8%	<input type="radio"/> out of touch with the out-side world.
13.7%	23.5%	28.9%	<input checked="" type="radio"/> a small dependent portion of a larger economic unit.
47.7%	53.8%	43.5%	<input type="radio"/> a rapidly growing and sound social and cultural unit.
2.6%	3.0%	3.4%	<input type="radio"/> I don't know.
2.5%	1.9%	1.3%	No response

T12 06 4/1 03*X755024 R0004010
S10 09 4/1 03*X755024 R0004010
A03 12 4/1 03*X755024 R0004010

13 17 A
13 17 A
13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

	AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
REGION	NATIONAL	13	13.7		+									
	NATIONAL	17	23.4	13-->17	9.8									
	NATIONAL	Ad	28.9	17-->Ad	5.5									
				13-->Ad	15.3									
	Southeast	13	14.8											
		17	17.6	13-->17	2.8									
		Ad	17.0	17-->Ad	-0.6									
				13-->Ad	2.2									
	West	13	13.5											
		17	27.3	13-->17	13.9									
		Ad	31.7	17-->Ad	4.4									
				13-->Ad	18.3									
	Central	13	13.8											
		17	26.0	13-->17	12.2									
		Ad	32.7	17-->Ad	6.7									
				13-->Ad	18.9									
	Northeast	13	12.6											
		17	21.9	13-->17	9.3									
		Ad	30.0	17-->Ad	8.1									
				13-->Ad	17.3									
SEX	Male	13	14.2											
		17	21.4	13-->17	7.2									
		Ad	29.0	17-->Ad	7.6									
	Female			13-->Ad	14.8									
		13	13.2											
		17	25.5	13-->17	12.3									
		Ad	28.9	17-->Ad	3.4									
				13-->Ad	15.7									

T12 06 4/1 03*X755024 R0000010
 S10 09 4/1 03*X755024 R0000010
 A03 12 4/1 03*X755024 R0000010

13 17 A
 13 17 A
 13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

	AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
	NATIONAL	13	13.7	*****	+									
	NATIONAL	17	21.4	13-->17	9.8	*****								
	NATIONAL	Ad	28.9	17-->Ad	5.5	*****								
				13-->Ad	15.3	*****								
COLOR	Black	13	12.4	*****										
		17	11.8	13-->17	-0.6	*****								
		Ad	6.4	17-->Ad	-5.3	*****								
				13-->Ad	-5.9	*****								
	White	13	18.0	*****										
		17	25.2	13-->17	11.2	*****								
		Ad	32.0	17-->Ad	6.8	*****								
				13-->Ad	18.0	*****								
PARENTAL EDUCATION														
	No High School	13	16.9	*****										
		17	15.9	13-->17	-0.9	*****								
		Ad	19.7	17-->Ad	3.7	*****								
				13-->Ad	2.8	*****								
	Some High School	13	14.9	*****										
		17	17.0	13-->17	2.0	*****								
		Ad	25.8	17-->Ad	8.8	*****								
				13-->Ad	10.8	*****								
	Graduated High Sch.	13	14.0	*****										
		17	20.7	13-->17	6.7	*****								
		Ad	29.9	17-->Ad	9.2	*****								
				13-->Ad	15.9	*****								
	Post High School	13	12.1	*****										
		17	29.7	13-->17	17.5	*****								
		Ad	43.0	17-->Ad	13.3	*****								
				13-->Ad	30.9	*****								
	NATIONAL	13	13.7	*****										
	NATIONAL	17IS	23.9	13-->17	10.2	*****								
SIZE-AND-TYPE OF COMMUNITY														
	Extreme Inner City	13	12.4	*****										
		17IS	15.4	13-->17	2.5	*****								
	Extreme Rural	13	13.7	*****										
		17IS	20.7	13-->17	7.0	*****								
	Small City	13	14.4	*****										
		17IS	21.9	13-->17	7.4	*****								
	Medium City	13	14.8	*****										
		17IS	23.3	13-->17	8.5	*****								
	Rest of Big City	13	16.0	*****										
		17IS	24.4	13-->17	8.4	*****								
	Suburban Fringe	13	10.4	*****										
		17IS	30.2	13-->17	19.8	*****								
	Extreme Aff Suburb	13	15.1	*****										
		17IS	29.6	13-->17	14.4	*****								

75503

Nat'l #
Choosing

Each Answer

Why was Nayan originally separated
from its neighbors?

Age 13 Age 17 Adult

14.6%	8.2%	9.0%	<input type="radio"/> Rich arable land
1.6%	3.6%	2.2%	<input type="radio"/> Long meandering streams
12.7%	10.1%	14.8%	<input type="radio"/> Artificial political barriers
15.4%	16.6%	10.9%	<input type="radio"/> Broad stretches of arid desert
25.0%	28.7%	30.8%	<input checked="" type="radio"/> Deep rugged gorges traversed by rock trails
21.3%	30.2%	30.7%	<input type="radio"/> I don't know.
6.5%	2.5%	1.7%	No response

T12 06 5/1 05*X755034 R0004010
S10 09 5/1 05*X755034 R0004010
A03 12 5/1 05*X755034 R0004010

13 17 A
13 17 A
13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
					0	10	20	30	40	50	60	70	80	90	100
REGION	NATIONAL	13	25.0		*****	+									
	NATIONAL	17	28.7	13-->17 3.7	*****	+									
	NATIONAL	Ad	30.8	17-->Ad 2.1 13-->Ad 5.8	*****	+									
	Southeast	13	23.0		*****	+									
		17	29.5	13-->17 6.5	*****	+									
		Ad	25.8	17-->Ad -3.7 13-->Ad 2.8	*****	+									
	West	13	24.7		*****	+									
		17	29.1	13-->17 4.4	*****	+									
		Ad	33.3	17-->Ad 4.2 13-->Ad 6.6	*****	+									
	Central	13	27.5		*****	+									
		17	29.5	13-->17 1.9	*****	+									
		Ad	31.4	17-->Ad 1.9 13-->Ad 3.9	*****	+									
	Northeast	13	23.9		*****	+									
		17	26.8	13-->17 2.9	*****	+									
		Ad	31.0	17-->Ad 4.3 13-->Ad 7.1	*****	+									
SEX	Male	13	27.6		*****	+									
		17	31.1	13-->17 3.5	*****	+									
		Ad	34.0	17-->Ad 2.9 13-->Ad 6.4	*****	+									
	Female	13	22.4		*****	+									
		17	26.3	13-->17 3.9	*****	+									
		Ad	27.7	17-->Ad 1.4 13-->Ad 5.3	*****	+									

T12 06 5/1 05*X755034 R0004010
 S10 99 5/1 05*X755034 R0004010
 A03 12 5/1 05*X755034 R0004010

13 17 A
 13 17 A
 13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

				PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
				+	+	+	+	+	+	+	+	+	+	+
AGE	LEVEL	PERCENTAGE	PERCENTAGE											
		OF SUCCESS	DIFFERENCE											
NATIONAL	13	25.0		*****										
NATIONAL	17	28.7	13-->17 3.7	*****										
NATIONAL	Ad	30.8	17-->Ad 2.1	*****										
			13-->Ad 5.8											
COLOR														
Black	13	16.4		*****										
	17	22.1	13-->17 5.7	*****										
	Ad	17.9	17-->Ad -4.2	*****										
			13-->Ad 1.5											
White	13	26.4		*****										
	17	29.5	13-->17 3.1	*****										
	Ad	31.9	17-->Ad 2.4	*****										
			13-->Ad 5.5											
PARENTAL EDUCATION														
No High School	13	19.3		*****										
	17	20.1	13-->17 0.9	*****										
	Ad	25.4	17-->Ad 5.2	*****										
			13-->Ad 6.1											
Some High School	13	17.9		*****										
	17	22.1	13-->17 5.1	*****										
	Ad	31.0	17-->Ad 8.9	*****										
			13-->Ad 14.0											
Graduated High Sch.	13	27.6		*****										
	17	30.5	13-->17 2.8	*****										
	Ad	28.6	17-->Ad -1.8	*****										
			13-->Ad 1.0											
Post High School	13	28.5		*****										
	17	31.1	13-->17 2.6	*****										
	Ad	41.9	17-->Ad 10.8	*****										
			13-->Ad 13.4											
NATIONAL	13	25.0		*****										
NATIONAL	17IS	29.0	13-->17 4.0	*****										
SIZE-AND-TYPE OF COMMUNITY														
Extreme Inner City	13	16.4		*****										
	17IS	26.6	13-->17 10.3	*****										
Extreme Rural	13	26.8		*****										
	17IS	31.1	13-->17 4.3	*****										
Small City	13	27.9		*****										
	17IS	27.6	13-->17 -0.4	*****										
Medium City	13	24.0		*****										
	17IS	29.4	13-->17 5.4	*****										
Rest Of Big City	13	23.1		*****										
	17IS	28.6	13-->17 5.5	*****										
Suburban Fringe	13	23.6		*****										
	17IS	31.7	13-->17 8.1	*****										
Extreme Aff Suburb	13	24.0		*****										
	17IS	28.6	13-->17 4.6	*****										

Exercise 755 -- Age 13, 17 and Adult

Objective IV: Reason logically from what is read.

Subobjective A: Draw appropriate inferences from the material that is read and "read between the lines" where necessary.

This passage describes various changes in the Andean village of Nayon during the twentieth century. On part 75501, 27% of 13-year-olds, 45% of 17-year-olds and 46% of young adults were able to infer that Nayon was primitive and self-contained prior to 1910 because of geographical factors. The facts that would lead to this inference are in the first paragraph and the first sentence of the second paragraph. While 17-year-olds and young adults showed a percentage increase of almost 20 over 13-year-olds, more than half of them still failed to draw the proper inference. "Cultural tradition" was a popular response at all age levels.

On part 75502, 14% of 13-year-olds, 24% of 17-year-olds and 29% of young adults were able to infer that by 1948 Nayon was a small, dependent portion of a larger economic unit. The facts that would lead to this inference are in the third and fourth paragraphs. At all three age levels, most of those who failed inferred that, because the total life style of Nayon had changed drastically between 1908 and 1948, Nayon had become "a rapidly growing and sound social and cultural unit." However, the passage states that foods grown in Nayon were exported and much of what was eaten was imported as well as other goods being imported and exported.

On part 75503, 25% of 13-year-olds, 29% of 17-year-olds and 31% of young adults were able to infer that Nayon was originally separated from its neighbors because of deep, rugged gorges traversed by rocky trails. To be successful on this part, one must know first of all that barrancas (paragraph I) are deep gullies with steep sides. At all three age levels, a larger proportion of those who failed simply admitted not knowing the answer than chose an incorrect answer.

Exercise 756 -- Age 13, 17 and Adult

Read the passage and answer the question on the next page.

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Nat'l %
Choosing
Each Answer

Which of the following BEST
explains the kind of human
behavior described?

Age 13 Age 17 Adult

6.4%	5.0%	2.3%	<input type="radio"/> "Not merely...greed for goods."
10.7%	25.7%	31.9%	<input checked="" type="radio"/> "In self-entrapment is security..."
8.4%	8.4%	9.4%	<input type="radio"/> "...obligations are homogenized..."
26.7%	15.4%	16.0%	<input type="radio"/> "Suburbanites are not irresponsible."
42.4%	39.3%	35.2%	<input type="radio"/> "They are extremely budget-conscious."
5.3%	5.9%	4.2%	<input type="radio"/> I don't know.
0.1%	0.4%	1.0%	No response

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T13 09 3/1 02*X756011 R1000010
S04 12 3/1 02*X756011 R1000010
A06 11 3/1 02*X756011 R1000010

13 17 A
13 17 A
13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

	AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
REGION	NATIONAL	13	10.7	*****	+									
	NATIONAL	17	25.7	13-->17	15.0	*****								
	NATIONAL	Ad	31.9	17-->Ad	6.2	*****								
				13-->Ad	21.1	*****								
	Southeast	13	8.9	*****										
		17	18.9	13-->17	10.0	*****								
		Ad	22.0	17-->Ad	3.2	*****								
	West	13	9.6	*****										
		17	29.0	13-->17	19.4	*****								
		Ad	40.1	17-->Ad	11.1	*****								
	Central	13	12.2	*****										
		17	28.1	13-->17	15.9	*****								
		Ad	32.6	17-->Ad	4.5	*****								
	Northeast	13	12.2	*****										
		17	25.5	13-->17	13.3	*****								
		Ad	30.6	17-->Ad	5.2	*****								
SEX	Male	13	11.2	*****										
		17	24.8	13-->17	13.6	*****								
		Ad	31.9	17-->Ad	7.0	*****								
	Female	13	10.3	*****										
		17	26.7	13-->17	16.3	*****								
		Ad	31.9	17-->Ad	5.2	*****								
				13-->Ad	21.6	*****								

T13 09 3/1 02*X756011 R1000010
 S04 12 3/1 02*X756011 R1000010
 A06 11 3/1 02*X756011 R1000010

13 17 A
 13 17 A
 13 17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

	AGE LEVEL	PERCENTAGE OF SUCCESS		PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
					0	10	20	30	40	50	60	70	80	90	100
	NATIONAL	13		10.7	*****										
	NATIONAL	17		25.7	13-->17	15.0	*****								
	NATIONAL	Ad		31.9	17-->Ad	6.2	*****								
					13-->Ad	21.1	*****								
<u>COLOR</u>															
	Black	13		9.5	*****										
		17		11.8	13-->17	2.3	*****								
		Ad		12.9	17-->Ad	1.1	*****								
					13-->Ad	3.0	*****								
	White	13		11.0	*****										
		17		27.5	13-->17	16.5	*****								
		Ad		34.6	17-->Ad	7.1	*****								
					13-->Ad	23.6	*****								
<u>PARENTAL EDUCATION</u>															
	No High School	13		13.3	*****										
		17		14.4	13-->17	1.1	*****								
		Ad		20.4	17-->Ad	6.0	*****								
					13-->Ad	7.1	*****								
	Some High School	13		8.7	*****										
		17		19.8	13-->17	11.1	*****								
		Ad		21.6	17-->Ad	2.0	*****								
					13-->Ad	13.0	*****								
	Graduated High Sch.	13		11.0	*****										
		17		24.1	13-->17	13.0	*****								
		Ad		35.0	17-->Ad	10.9	*****								
					13-->Ad	24.0	*****								
	Post High School	13		10.1	*****										
		17		32.0	13-->17	21.9	*****								
		Ad		52.1	17-->Ad	20.1	*****								
					13-->Ad	42.1	*****								
	NATIONAL	13		10.7	*****										
	NATIONAL	17IS		25.7	13-->17	15.0	*****								
<u>SIZE-AND-TYPE OF COMMUNITY</u>															
	Extreme Inner City	13		13.1	*****										
		17IS		13.9	13-->17	0.8	*****								
	Extreme Rural	13		8.5	*****										
		17IS		23.9	13-->17	15.4	*****								
	Small City	13		12.9	*****										
		17IS		21.5	13-->17	8.6	*****								
	Medium City	13		8.7	*****										
		17IS		26.4	13-->17	17.7	*****								
	Rest of Big City	13		6.7	*****										
		17IS		28.8	13-->17	22.1	*****								
	Suburban Fringe	13		8.5	*****										
		17IS		28.6	13-->17	20.1	*****								
	Extreme Aff Suburb	13		12.9	*****										
		17IS		34.8	13-->17	21.9	*****								

Exercise 756 -- Age 13, 17 and Adult

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

This passage (same as in Exercise 752) describes the spending habits of suburbanites--committing nearly the entire income to equal monthly payments. Eleven percent of 13-year-olds, 26% of 17-year-olds and 32% of young adults were able to infer that "In self-entrapment is security" best explains the described spending behavior of suburbanites. The facts that would lead to this inference are given in the third and, more particularly, the fourth paragraphs. At all age levels, most of those who failed inferred that suburbanites are extremely budget-conscious. While this is true, it does not capture the "flavor" of the passage.

Exercise 757 -- Age 17 and Adult

Read the passage and answer the question which follows it.

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When

When

Nat'l %
Choosing
Each Answer

What does the author describe about Helen Keller?

Age 17 Adult

- 1.6% 0.6% ☐ Her habits
0.7% 0.5% ☐ Her friends
1.6% 0.6% ☐ Her appearance
1.0% 0.3% ☐ Her frustrations
94.0% 95.7% ☒ Her accomplishments
0.7% 1.2% ☐ I don't know.
0.4% 1.1% ☐ No response

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S01 08 3/1 05*X757011 R1000010
A02 10 3/1 05*X757011 R1000010

17 A
17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

	AGE LEVEL	PERCENTAGE OF SUCCESS	PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS										
				0	10	20	30	40	50	60	70	80	90	100
	NATIONAL	17	94.0	+	+	+	+	+	+	+	+	+	+	+
	NATIONAL	Ad	95.7	17-->Ad 1.7										
REGION														
	Southeast	17	87.2	17-->Ad 2.5										
		Ad	89.6	17-->Ad 3.5										
	West	17	95.4	17-->Ad 0.2										
		Ad	98.8	17-->Ad 0.2										
	Central	17	95.3											
		Ad	95.4											
	Northeast	17	96.7											
		Ad	96.9											
SEX														
	Male	17	91.5	17-->Ad 4.5										
		Ad	96.1	17-->Ad -0.8										
	Female	17	96.2											
		Ad	95.4											

S01 08 3/1 05*X757011 R1000010
A02 10 3/1 05*X757011 R1300010

17 A
17 A

NATIONAL AND GROUP PERCENTAGES OF SUCCESS

		AGE LEVEL	PERCENTAGE OF SUCCESS		PERCENTAGE DIFFERENCE	PERCENTAGE OF SUCCESS											
						0	10	20	30	40	50	60	70	80	90	100	
		NATIONAL	17	94.0		+	+	+	+	+	+	+	+	+	+	+	
		NATIONAL	Ad	95.7	17-->Ad	1.7											
<u>COLOE</u>																	
		Black	17	77.6													
		Ad		86.1	17-->Ad	8.5											
		White	17	96.1													
		Ad		97.0	17-->Ad	0.9											
<u>PARENTAL EDUCATION</u>																	
		No High School	17	82.9													
		Ad		91.9	17-->Ad	9.0											
		Some High School	17	91.8													
		Ad		95.9	17-->Ad	4.1											
		Graduated High Sch.	17	93.7													
		Ad		96.4	17-->Ad	2.8											
		Post High School	17	98.1													
		Ad		100.0	17-->Ad	1.9											
		NATIONAL	17IS	94.7													
<u>SIZE-AND-TYPE OF COMMUNITY</u>																	
		Extreme Inner City	17IS	98.8													
		Extreme Rural	17IS	90.3													
		Small City	17IS	93.1													
		Medium City	17IS	96.0													
		Rest Of Big City	17IS	97.4													
		Suburban Fringe	17IS	96.8													
		Extreme Aff Suburb	17IS	97.3													

Exercise 757 -- Age 17 and Adult

Objective I: Comprehend what is read.

Subobjective C: Read paragraphs, passages and longer works.

This passage describes how Helen Keller became blind and deaf and the ways in which she overcame these handicaps. Ninety-four percent of 17-year-olds and 96% of young adults were able to infer that this passage regarded Helen Keller's accomplishments.

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